Online Appendix

The Gender Gap in Earnings Losses after Job Displacement

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A.1 Identifying Couples

Goldschmidt et al. (2017) (henceforth: GKS) developed a method to identify likely married, mixed-sex couples in German administrative data. The procedure relies on identifying likely married couples by selecting pairs of individuals that a) share the same last name, b) live at the exact same address, c) there are exactly two persons with the same last name at a given location. In addition, it restricts to mixed-sex name-pairs with an absolute age difference of less than 15 years. GKS provide evidence that this procedure is effective in identifying couples, with an estimated rate of false positives of less than 5%. At the same time, not all couples can be identified with this method. As a direct result of the data restrictions, only mixed-sex couples sharing a last name and an age difference of less than 15 years are selected.[1]

[1]This restriction aims at reducing measurement error as age differences of more than 15 years might also stem from parent-child links and same-sex pairs might importantly reflect borther-sister pairs.

An additional restriction is that to be identified as a couple, both individuals of that couple have to appear in the administrative data at the same time. This requires that each of the individuals of a couple have to be in either dependent, social security liable employment (including marginal employment) or a recorded unemployment spell (including any UI, UI-II receipt, registered unemployment, or registered job search status). The procedure thus selects more conservative and older (but not yet retired) couples with some (but potentially weak) attachment to the labor force. In this paper we rely on a recent data update of GKS for the years 2001-2014 (Bächmann et al. (2021)). This yields a yearly panel dataset of more than 8 million couples for the years 2001-2014.

A.2 Main Analysis Sample

Sample Construction

We construct a sample of workers laid off in 2002 through 2012 from the Integrated Employment Biographies (IEB) provided by the IAB. We start with the universe of all social security liable employment in the IEB and subsequently add the following restrictions to arrive at our baseline sample of laid off workers.

- Mass layoff or plant closure: We define an individual as being laid off during a mass layoff if they fulfill the following conditions:
  - They leave the establishment between June 30 in $t = c - 1$ and June 30 in $t = c$, where $c \in \{2002..., 2012\}$ and do not return to the establishment in the 5 subsequent years.
  - The displacing establishment exhibits low employment fluctuations in the two years before the layoff, i.e., the workforce did not increase by more than 30% in at least one of the two years preceding the layoff.
  - The workforce of the displacing establishment declines by at least 30% between $t = c - 1$ and $t = c$.
  - The employment outflows at that establishment between $t = c - 1$ and $t = c$ are "dispersed". I.e., following Hethey-Maier and Schmieder (2013), we require that no more than 30% of the outflow go to one particular establishment to exclude mergers, takeovers, or changes in employer identification numbers.
  - The establishment empoyed at least 30 individuals in the year prior to layoff $t = c - 1$.
- Married couples: We restrict our baseline sample to married couples. This requires that the individual has to be observed as being in a couple (as defined in A.1) in one of the five years prior to layoff.
- Age and tenure: To ensure that workers in our baseline sample are highly attached to the labor force, we consider only workers aged 24-50 (at $t = c - 1$), workers with at least two years of tenure (at $t = c - 1$), and workers who were not in marginal employment in the four years preceding displacement.

Comparison to Schmieder, von Wachter, and Heining (2020)

Our sample construction closely follows Schmieder et al. (2020) (henceforth SvWH). As in SvWH, we consider only workers aged 24-50 in $t = c - 1$. However, our baseline restrictions are less strict when it comes to tenure, full-time employment, and establishment size. This is because otherwise, we would exclude many women from our sample. In particular, we deviate form SvWH in the following ways:

- While SvWH restrict their baseline sample to workers with three years of tenure in in $t = c - 1$, we relax this restriction to two years.
- In contrast to SvWH, we allow for part-time employment of workers before displacement.
- We consider establishments with a workforce of at least 30 employees in $t = c - 1$, and thus allow for slightly smaller establishments (at least 50 employees in SvWH).

Another important difference is that for our main analysis, we focus on individuals who were part of a couple in at least one of the five years before displacement. In addition, while SvWH focus on West Germany only, we consider (non-)displaced workers both in East and West Germany.

A.3 Job Search and Job Preferences Data: ASU and SMS

X(ASU)

The (X)ASU (or *Jobseeker History Panel*) is an administrative dataset provided by the IAB (see Antoni et al. (2019) for an overview on individual-level data at the IAB).[2] It contains information on individuals who are registered as unemployed and stems from the Federal Employment Agency's (BA) job placement software "VerBIS". Everyone who receives unemployment benefits is part of this databse. It is possible to link job seekers from this database to the employment data via a unique person ID.

Caseworkers collect the information on job preferences during the first consultation with the job seeker and enter it into the software. For example, the caseworker asks the job seeker whether they are looking for a i) full-time job, ii) part-time job, or iii) either and then adds this information to the job seeker's profile in the BA system. In another question, job seekers have to indicate whether they are looking for i) a permanent contract, ii) a fixed-term contract, or iii) any contract. For the scope of geographic search, the job seeker has to indicate whether they would be willing to accept a job anywhere in Germany or whether they are limited in their regional scope of search. Job seekers can also indicate in which regions they would be willing to accept a job (though this information is, unfortunately, not part of the data). Note that the information on the geographic scope of search is only available for spells starting before July 2006.

Table 4, Columns (1) vs. (2), shows how our baseline sample of displaced workers (Column (1)) differs form individuals who appear in the (X)ASU data (Column (2)). Column (2) shows that individuals in the (X)ASU are somewhat negatively selected: They have lower earnings (31,000 vs. 33,000, t=c-2), work fewer full-time days (290 vs. 293, t=c-1), and spent slightly

[2]Note that we use "ASU" version V06.11.00 and "XASU" version V02.03.00-201904.

less time in education (11.1 vs. 11.3 years). Individuals in the (X)ASU data are also 4 percentage points less likely to be female. This could be either because women find new jobs more quickly, or because they are more likely to completely drop out of the workforce after job displacement.

SMS

The SMS-data constitutes a novel, high frequency data set on job search effort and has been collected by DellaVigna et al. (2022) to describe within-individual job search effort overt the unemployment spell and around benefit exhaustion. The targeting sample consists of a random sample of individual UI recipients between age 25 and 55, with stratifications by eligibility duration and current unemployment durations (see DellaVigna et al. 2022 for details). The survey was conducted between 2018 and 2019 and contains information on search effort, target wage, life-satisfaction and job-found information. A question on search effort was asked twice a week, while each of the other questions was asked effectively every third week (each week, one of the additional questions was asked on a rotating basis).

B Additional Analysis: The Added Worker Effect

A long-standing hypothesis in labor economics is that married women increase their labor supply in response to their husbands' unemployment (e.g. Cain, 1966, Lundberg, 1985). Our newly created link of married couples allows us for the first time to study this effect in German administrative data. As a departure from the long-standing focus of this literature on the labor force participation of wives only, we look at labor supply responses of both husbands and wives of displaced workers. This allows us to examine whether there are gender differences in spousal labor supply which could either mitigate or amplify the individual-level gender gap in the costs of job loss.

Our main results are shown in Figure 7 and Table 14. Panel (a) of Figure 7 reports the impact of job loss on the partner's earnings relative to t=c-2 by gender of the displaced worker.[3] The blue line shows that if a man loses his job there is a small decline in the wife's earnings in the order of about 2% of the displaced workers' earnings. There is also a negative effect on the days worked on the wives of displaced men (Panel (b)), which fall by around 18 days. For women, the unweighted pattern is stronger in that it appears that husbands of displaced women do have a sizable negative earnings shock in the subsequent years of around 4-5%. Similarly, days worked and even more so days worked full-time (Panel (c)) decline for the partners of displaced women. While reweighting women to men makes these estimates noisier, the basic pattern is similar.

These graphical results are confirmed by regression estimates in Table 14. Column (1) Panel A shows that the added worker effect is negative for men and women. When a man loses his job, his wife's earnings decline in the following years by about 2% of earnings of

[3]Our outcome variable is the change in earnings divided by the earnings of the jobloser in the baseline year ($t = c - 1$) : $\frac{\Delta y_{partner}}{y_{jobloser,t=c-1}}$. Scaling by the earnings of the jobloser, rather than the earnings of the parter at baseline, has the advantage that $y_{jobloser,t=c-1}$ is always a positive and reasonably large number, while $y_{partner,t=c-1}$ can be small or zero which would lead to relative wage changes that go to infinity creating huge outliers.

the job loser at baseline. On the flip side, if a woman loses her job, her husband's earnings decline by an additional 4.5 percentage points. The gender gap is similar when using either reweighting or regression adjustment to hold other characteristics constant (Panels B and C), though somewhat noisy in the first case. Column (2) shows that the negative added worker effect does not operate through log wages, which are unchanged, but instead through days worked: both partners of men and women work fewer days and partners of female job losers lose more days working full-time.

To examine gender differences in individual and spousal responses jointly, we look at earnings at the household level. In Figure 7 (d), we show the effect of displacement on household income relative to $t = c - 1$. Given that partner's earnings only mildly respond to job displacement, the picture on the household level is very similar to the individual level. Women's job loss leads to smaller household earnings losses in the overall sample than when men lose their job. However, once we reweight the sample so that we compare similar men and women, the losses are significantly larger if women lose their job.

Table 14 Column (5) confirms that the gender gap persists on the household level when looking at relative household earnings (i.e. relative to household earnings in $t = c - 1$): after controlling for observable characteristics, a household where the female worker is laid off experiences a significant 3.5% higher earnings loss than a household where a man loses his job (Panel B). The fact that the gender gap for household earnings is positive in the unweighted sample (Panel A) is consistent with the smaller absolute earnings losses of women in conjunction with the fact that men tend to contribute a higher share of total household income in our data (see Table 1 in the paper).

Why do we observe a negative added worker effect for both male and female job losers? One caveat is that we can only identify married couples where both partners are in the social security data, either by working a social security liable job or by receiving UI benefits. In particular, we miss couples where one spouse is not in the labor force at all or is self-employed. It may well be the case that spouses who are not working or self-employed are the most likely to respond by increasing their labor supply, which would lead us to underestimate the added worker effect in the overall population.

Within our sample, we can get at the role of opportunities to increase labor supply by comparing job losers where the partner is working full-time or part-time. In Panels D and E we split our sample by whether or not the partner is working full-time or part-time prior to displacement.[4] The results partially confirm the importance of the partner's opportunity to increase labor supply. Among full-time working partners of displaced men, the added worker

[4]When splitting the sample a technical issue arises: In our matching procedure to generate a suitable control group we do not match on characteristics of the partner. This means that within the matched displaced/non-displaced pairs the full-time status of the partner is often different. If we then condition only on the partner of the displaced worker to be working full-time, the control group will include workers working full-time or part-time leading to very different pre-trends and a bias from regression to the mean. For this reason, rather than estimating Equation (7), we instead estimate the effect in first differences:

$$\Delta_d y_{ic} = \beta \, Female_{ic} * Displaced_{ic} + \delta \, Female_{ic} + X_{ic}\theta + \varepsilon_{ic} \tag{1}$$

and then apply baseline restrictions to both displaced and non-displaced workers.

This is identical to estimating Equation (7) in the full sample but avoids the regression to the mean bias in split sample regressions. Since non-displaced workers are treated as distinct observations, the number of observations is twice as large as in the previous analysis.

effect is clearly negative: about a 4% loss in earnings and a decrease of about 16 days of full-time work (and 19 days in days worked overall). The pattern for women is very similar for days worked but earnings losses are even larger. On the other hand when looking at partners who are working part-time or are unemployed the added worker effect is less negative. Earnings decrease only by about 1.3% for partners of male displaced workers and are unchanged for partners of female displaced workers. Similarly partner days worked decline somewhat for men but remain the same for women.

A plausible reason for observing a **negative** added worker effect is likely that there are correlated shocks on the household level (Huber and Winkler (2019)). Spouses tend to work in similar regions, firms, and industries. Thus, if one spouse is displaced, the other spouse might also face a negative labor demand shock in the form of job loss or cuts in hours. Table 14, Panels F and G split the sample by whether or not both partners work in the same or different industry at baseline. Looking at the differences for men (mean of dependent variable), the earnings losses of the partner are almost 10 times larger when both partners work in the same industry (10.4% vs 1.2%). Similarly, losses in days worked (58.6 vs. 12.4 days) and days worked full-time (27.7 vs. 2.0 days) are much larger if both work in the same industry. The gender gap estimates in Panel G and F, suggest even larger negative effects for partners of displaced women when both partners work in the same industry. Similarly, Appendix Table 14 shows that partners' earnings and employment losses are also much larger when both partners work in the same establishment (while same occupations are less predictive). Our results point thus to an important role of correlated demand shocks negatively affecting earnings of both spouses.

Our finding that spousal labor supply responses are negative and not able to mitigate the costs of job loss is somewhat in contrast to Halla et al. (2020) who study the added worker effect in the Austrian context. Halla et al. (2020) find a slightly positive employment response of married women to the job loss of their husbands. A key data difference is that they have access to the marriage and divorce register, and thus can include couples where the wife is not working prior to the displacement event of the husband. In fact, when they restrict the sample to women who were employed at baseline they also find a clear negative added worker effect (see Halla et al., 2020, Table 3).

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C Appendix Tables and Figures

Table 1: Summary Statistics for Displaced Workers and Matched Controls in t=c-1

	(1) Non-Displaced Women	(2) Displaced Women	(3) Non-Displaced Men	(4) Displaced Men
Panel A: Individual Characteristics				
Years of education	11.4	11.4	11.3	11.3
	[1.5]	[1.5]	[1.6]	[1.6]
Potential experience	22.4	22.8	21.8	21.9
	[6.2]	[6.1]	[6.2]	[6.2]
Tenure with current employer	7.5	7.5	7.7	7.7
	[4.1]	[4.1]	[4.4]	[4.5]
Log wage in t=c-2	4.2	4.2	4.5	4.5
	[0.485]	[0.471]	[0.360]	[0.356]
Earnings in t=c-1	26999.8	26623.3	37167.9	36677.8
	[12004.7]	[11881.2]	[12715.9]	[12881.5]
Total yearly income	25675.6	24451.5	35585.8	33729.2
	[11834.4]	[11831.6]	[13077.3]	[13388.0]
Days Worked in Year	363.2	343.0	363.1	343.2
	[14.0]	[48.2]	[13.2]	[46.7]
Days Worked in Fulltime Job	239.4	226.9	356.3	335.5
	[172.2]	[162.0]	[50.3]	[64.4]
Couple	1	1	1	1
	[0]	[0]	[0]	[0]
Panel B: Establishment Characteristics				
Firmsize	572.4	513.1	277.4	281.3
	[1177.0]	[867.8]	[714.4]	[616.4]
Share female workers	0.602	0.616	0.287	0.279
	[0.240]	[0.239]	[0.212]	[0.212]
Share fulltime workers	0.636	0.649	0.806	0.829
	[0.269]	[0.278]	[0.183]	[0.180]
Number of Observations	31806	31806	48849	48849

Notes: Characteristics of displaced and non-displaced workers in year prior to displacement year. Workers satisfy the following baseline restrictions: The individual is aged 24 to 50, has at least two years of tenure, she was not in marginal employment in the four years preceding displacement, and she works in an establishment which has at least 30 employees. Each displaced worker is assigned a non-displaced worker via 1:1 propensity score matching within gender, year and industry cells. Non-displaced workers come from a random sample of couples who satisfy the same baseline restrictions. Standard deviations in brackets.

Table 2: Summary Statistics for Displaced Women and Matched Controls with Information on Spouses in t=c-1

	(1) Non-Displaced Women	(2) Displaced Women	(3) Non-Displaced Women Husband Info	(4) Displaced Women Husband Info
Panel A: Individual Characteristics				
Years of education	11.4	11.4	11.6	11.5
	[1.5]	[1.5]	[1.7]	[1.6]
Potential experience	22.4	22.8	22.1	22.6
	[6.2]	[6.1]	[6.9]	[7.0]
Tenure with current employer	7.5	7.5	5.7	5.6
	[4.1]	[4.1]	[5.6]	[5.6]
Real daily wage in t=c-2	4.2	4.2	4.5	4.5
	[0.485]	[0.471]	[0.582]	[0.585]
Total yearly earnings in t=c-1	26999.8	26623.3	19204.8	18934.5
	[12004.7]	[11881.2]	[20368.5]	[20229.2]
Total yearly income	25675.6	24451.5	26653.3	25978.4
	[11834.4]	[11831.6]	[18391.6]	[18116.1]
Days per year working	363.2	343.0	277.7	274.8
	[14.0]	[48.2]	[147.6]	[148.1]
Days per year working fulltime	239.4	226.9	262.6	260.2
	[172.2]	[162.0]	[156.7]	[156.6]
Couple	1	1	1	1
	[0]	[0]	[0]	[0]
Panel B: Establishment Characteristics				
Firmsize	572.4	513.1	923.9	965.1
	[1177.0]	[867.8]	[3855.4]	[4080.4]
Share female workers	0.602	0.616	0.287	0.290
	[0.240]	[0.239]	[0.225]	[0.229]
Share fulltime workers	0.636	0.649	0.793	0.794
	[0.269]	[0.278]	[0.205]	[0.205]
Number of Observations	31806	31806	31806	31806

Notes: Characteristics of displaced and non-displaced women in year prior to displacement year. Workers satisfy the following baseline restrictions: The individual is aged 24 to 50, has at least two years of tenure, she was not in marginal employment in the four years preceding displacement, and she works in an establishment which has at least 30 employees. Each displaced woman is assigned a non-displaced woman via 1:1 propensity score matching within year and industry cells. Non-displaced women come from a random sample of couples who satisfy the same baseline restrictions. Corresponding characteristics of husbands in Columns (3) and (4). Standard deviations in brackets.

Table 3: Summary Statistics for Displaced Men and Matched Controls with Information on Spouses in t=c-1

	(1) Non-Displaced Men	(2) Displaced Men	(3) Non-Displaced Men Men Wife Info	(4) Displaced Men Men Wife Info
Panel A: Individual Characteristics				
Years of education	11.3	11.3	11.1	11.1
	[1.6]	[1.6]	[1.4]	[1.4]
Potential experience	21.8	21.9	17.8	17.8
	[6.2]	[6.2]	[6.6]	[6.6]
Tenure with current employer	7.7	7.7	4.3	4.2
	[4.4]	[4.5]	[4.7]	[4.6]
Real daily wage in t=c-2	4.5	4.5	3.5	3.5
	[0.360]	[0.356]	[0.976]	[0.985]
Total yearly earnings in t=c-1	37167.9	36677.8	8848.8	8903.2
	[12715.9]	[12881.5]	[12715.9]	[12881.5]
Total yearly income	35585.8	33729.2	12957.2	12925.9
	[13077.3]	[13388.0]	[13204.9]	[13297.4]
Days per year working	363.1	343.2	258.5	254.7
	[13.2]	[46.7]	[154.9]	[155.7]
Days per year working fulltime	356.3	335.5	107.1	108.0
	[50.3]	[64.4]	[161.3]	[160.8]
Couple	1	1	1	1
	[0]	[0]	[0]	[0]
Panel B: Establishment Characteristics				
Firmsize	277.4	281.3	409.5	417.2
	[714.4]	[616.4]	[1477.5]	[1461.2]
Share female workers	0.287	0.279	0.683	0.689
	[0.212]	[0.212]	[0.250]	[0.246]
Share fulltime workers	0.806	0.829	0.511	0.512
	[0.183]	[0.180]	[0.301]	[0.304]
Number of Observations	48849	48849	48849	48849

Notes: Characteristics of displaced and non-displaced men in year prior to displacement year. Workers satisfy the following baseline restrictions: The individual is aged 24 to 50, has at least two years of tenure, she was not in marginal employment in the four years preceding displacement, and she works in an establishment which has at least 30 employees. Each displaced man is assigned a non-displaced man via 1:1 propensity score matching within year and industry cells. Non-displaced men come from a random sample of couples who satisfy the same baseline restrictions. Corresponding characteristics of wifes in Columns (3) and (4). Standard deviations in brackets.

Table 4: Summary Statistics for Displaced Workers in ASU Sample in t=c-1

	(1) All	(2) All in ASU	(3) All with Child	(4) All w/o Child
Panel A: Individual Characteristics				
Log Wage in t=c-2*	4.40	4.35	4.40	4.33
	[0.444]	[0.431]	[0.441]	[0.426]
Earnings in t=c-1	32712.9	30761.5	32414.6	30104.6
	[13427.9]	[12689.0]	[13316.0]	[12370.1]
Days per Year Working Fulltime	292.7	290.1	288.3	290.8
	[125.2]	[119.4]	[122.8]	[118.0]
Days per Year Working Parttime	50.2	43.3	46.5	42.1
	[120.1]	[110.5]	[113.9]	[109.1]
Female	0.394	0.358	0.263	0.395
	[0.489]	[0.479]	[0.440]	[0.489]
Years of Education*	11.3	11.1	11.1	11.1
	[1.53]	[1.28]	[1.31]	[1.27]
Tenure*	7.67	7.97	7.93	7.99
	[4.31]	[4.46]	[4.37]	[4.49]
Age*	41.3	41.4	39.2	42.2
	[5.91]	[5.94]	[5.11]	[6.03]
Commuting Distance	35.4	27.1	26.5	27.3
	[82.4]	[70.8]	[68.4]	[71.7]
Has child under 7	0.085	0.080	0.281	0
	[0.278]	[0.271]	[0.450]	[0]
Has child aged 7 or older	0.233	0.237	0.719	0.045
	[0.422]	[0.425]	[0.450]	[0.208]
Panel B: Establishment Characteristics				
Log Firmsize*	4.94	4.57	4.59	4.57
	[1.23]	[0.876]	[0.884]	[0.873]
AKM Estab FE, 2003-2010	-0.222	-0.215	-0.187	-0.227
	[0.229]	[0.233]	[0.215]	[0.238]
Panel C: Household Characteristics				
Total Yearly Household Earnings	50176.3	45946.0	46419.3	45757.8
	[22208.4]	[20950.8]	[19169.9]	[21615.1]
Total Yearly Earnings - Partner	18915.1	17539.5	16218.5	18064.5
	[17708.0]	[17147.5]	[16177.4]	[17490.6]
Share of Household Income	68.1	68.3	70.0	67.6
	[25.6]	[26.2]	[25.1]	[26.6]
Same Establishment as Spouse	0.048	0.040	0.037	0.041
	[0.213]	[0.196]	[0.189]	[0.199]
Same Industry as Spouse	0.084	0.070	0.072	0.070
	[0.278]	[0.255]	[0.258]	[0.254]
Number of Individuals	80655	52929	15052	37877

Notes: This table summarizes characteristics of displaced workers in the ASU sample. Column (1) shows characteristics of all displaced workers. Column (2) shows all displaced workers who appear in the ASU sample. Column (3) shows all displaced workers in the ASU sample whose first child is aged 15 or younger in the year before displacement. Column (4) shows all displaced workers in the ASU sample without a child aged 15 or younger in the year before displacement. Variables with * are used in reweighting. Standard deviations in brackets.

Table 5: Summary Statistics for Nonemployed Workers in SMS Data

	(1) All	(2) All Non-Emp.	(3) All Non-Emp. with Child	(4) All Non-Emp. w/o Child
Panel A: Individual Characteristics				
Monthly Gross Earnings (Pre-UI)	1788.2	1789.2	1711.2	1821.0
	[1672.7]	[1671.0]	[1621.0]	[1690.0]
Log-Monthly Gross Earnings (Pre-UI)	7.51	7.50	7.41	7.54
	[0.724]	[0.724]	[0.715]	[0.725]
Indicator for Female	0.475	0.474	0.549	0.447
	[0.499]	[0.499]	[0.498]	[0.497]
Education years	9.93	9.93	9.90	9.94
	[1.23]	[1.23]	[1.22]	[1.23]
Indicator for Female	0.475	0.474	0.549	0.447
	[0.499]	[0.499]	[0.498]	[0.497]
Education years	9.93	9.93	9.90	9.94
	[1.23]	[1.23]	[1.22]	[1.23]
Pre-UI Tenure in Years	2.09	2.09	1.78	2.21
	[2.57]	[2.56]	[2.16]	[2.70]
Pre-UI Fulltime = 1	0.548	0.549	0.465	0.584
	[0.498]	[0.498]	[0.499]	[0.493]
Age in Years	43.2	43.2	41.3	43.9
	[8.01]	[8.01]	[7.16]	[8.22]
Has child under 7	0.116	0.116	0.443	0
	[0.320]	[0.321]	[0.497]	[0]
Has child aged 7 or older	0.207	0.208	0.557	0.084
	[0.405]	[0.406]	[0.497]	[0.277]
Panel B: Unemployment Characteristics				
Eligibility Duration in Months at UI-Start	10.1	10.1	9.49	10.4
	[3.16]	[3.16]	[2.78]	[3.25]
Nonemployment Duration at date of contact	6.69	6.70	6.48	6.77
	[3.39]	[3.38]	[3.23]	[3.44]
Months since UI exhaustion	-2.85	-2.88	-2.41	-3.05
	[3.71]	[3.71]	[3.42]	[3.79]
Total Nonempoyment Duration in Months	14.0	14.0	13.5	14.2
	[11.0]	[11.0]	[8.92]	[11.7]
Panel C: Household Characteristics				
Indicator for Married	0.429	0.429	0.637	0.341
	[0.495]	[0.495]	[0.481]	[0.474]
Number of Obs.	222844	217199	57050	160149

Notes: This table summarizes characteristics of the SMS data. Column (1) shows characteristics of all workers. Column (2) shows all nonemployed workers. Column (3) shows all nonemployed workers whose first child is aged 15 or younger at time of UI entry. Column (4) shows all nonemployed workers whose first child is older than 15 or without children at time of UI entry. Standard deviations in brackets.

Table 6: Industry Distribution for Displaced Workers and Matched Controls in t=c-1

	(1) All Workers Women	(2) Baseline Sample Women	(3) Reweighted Women	(4) All Workers Men	(5) Baseline Sample Men
Agriculture	0.0074	0.0020	0.00097	0.012	0.0015
	[0.086]	[0.045]	[0.031]	[0.108]	[0.039]
Mining, Energy	0.0050	0	0	0.017	0
	[0.070]	[0]	[0]	[0.131]	[0]
Food Manufacturing	0.027	0.050	0.028	0.022	0.039
	[0.162]	[0.218]	[0.166]	[0.148]	[0.194]
Consumption Goods	0.031	0.086	0.069	0.038	0.084
	[0.174]	[0.281]	[0.253]	[0.192]	[0.278]
Production Goods	0.023	0.038	0.083	0.069	0.096
	[0.151]	[0.191]	[0.276]	[0.253]	[0.294]
Investment Goods	0.046	0.073	0.138	0.166	0.171
	[0.210]	[0.260]	[0.345]	[0.372]	[0.377]
Construction	0.016	0	0	0.075	0
	[0.124]	[0]	[0]	[0.263]	[0]
Retail	0.180	0.215	0.123	0.136	0.148
	[0.384]	[0.411]	[0.329]	[0.343]	[0.355]
Traffic, Telecommunication	0.035	0.043	0.102	0.077	0.088
	[0.184]	[0.203]	[0.302]	[0.267]	[0.284]
Credit, Insurance	0.038	0.023	0.013	0.028	0.015
	[0.190]	[0.150]	[0.114]	[0.164]	[0.122]
Restaurants	0.055	0.019	0.0088	0.032	0.0082
	[0.228]	[0.137]	[0.094]	[0.176]	[0.090]
Education	0.052	0.126	0.025	0.026	0.026
	[0.221]	[0.332]	[0.155]	[0.160]	[0.160]
Health	0.191	0.060	0.012	0.045	0.012
	[0.393]	[0.238]	[0.108]	[0.207]	[0.109]
Commercial Services	0.150	0.151	0.337	0.169	0.251
	[0.358]	[0.358]	[0.473]	[0.374]	[0.434]
Other Services	0.053	0.024	0.032	0.035	0.029
	[0.223]	[0.154]	[0.176]	[0.184]	[0.169]
Non-Profit	0.024	0.025	0.015	0.013	0.015
	[0.153]	[0.155]	[0.123]	[0.113]	[0.121]
Public Administration	0.067	0.064	0.014	0.040	0.014
	[0.250]	[0.245]	[0.116]	[0.197]	[0.119]
Number of Observations	3939514	31806	31806	4178728	48849

This table summarizes the industry distribution of different samples of (displaced) men and women. Columns (1) and (4) show characteristics of a random sample of workers in Germany 2003-2012. Columns (2) and (5) represent all displaced workers in the couple dataset fulfilling our baseline restrictions. We measure characteristics in t=c. We exclude individuals working in the construction and mining sectors. Column (3) contains women in the couple dataset reweighted to men. Variables with * are used in reweighting. Standard deviations in brackets.

Table 7: Reweighting Variables by Gender - DFL Reweighted

	Female	Male	P-Value
Log Wage in t=c-2	4.598	4.543	8.71e-25
Log Wage in t=c-3	4.578	4.528	7.02e-21
Fulltime Employment in t=c-2	0.982	0.983	0.173
Years of Education	11.38	11.34	0.127
Tenure (yrs)	7.325	7.745	2.81e-13
Age (yrs)	40.39	40.99	3.11e-10
East Germany	0.226	0.210	0.00395
Baseline Log Firmsize	4.700	4.773	0.000000102
Agriculture	0.000966	0.00149	0.0342
Mining Energy	0	0	.
Food Manufacturing	0.0284	0.0391	6.32e-12
Consumption Goods	0.0685	0.0845	5.98e-10
Production Goods	0.0829	0.0959	0.00178
Investment Goods	0.138	0.171	2.52e-12
Construction	0	0	.
Retail	0.123	0.148	8.90e-13
Traffic Telecommunication	0.102	0.0884	0.0150
Credit Insurance	0.0131	0.0152	0.0265
Restaurants	0.00884	0.00823	0.450
Education	0.0247	0.0264	0.0810
Health	0.0119	0.0120	0.928
Commercial Services	0.337	0.251	2.19e-28
Other Services	0.0321	0.0294	0.264
Non-Profit	0.0154	0.0149	0.692
Public Administration	0.0136	0.0142	0.391
Number of Observations	31806	48849	0

Notes: Table shows the differences in reweighting variables for displaced women and displaced men in t=c-1. Women are reweighted to men. The last column shows the P-Value of an F-Test for equality of means.

Table 8: The Impact of Individual Control and Reweighting Variables on the Gender Gap in Earnings

	(1) OLS	(2) OLS	(3) OLS	(4) OLS	(5) OLS	(6) OLS	(7) OLS	(8) OLS	(9) OLS
Panel A: Unadjusted Gender Gap									
Female	0.014	0.021	0.017	0.0037	-0.0030	-0.0072	-0.028	-0.051	-0.077
	(0.012)	(0.012)	(0.011)	(0.016)	(0.017)	(0.013)	(0.014)*	(0.011)**	(0.0072)**
Age in t=c-1		-0.0094	-0.0078	-0.0078	-0.0075	-0.0077	-0.0080	-0.0080	-0.0080
		(0.00063)**	(0.00078)**	(0.00080)**	(0.00078)**	(0.00072)**	(0.00071)**	(0.00078)**	(0.00075)**
Years of education in t=c-1		0.016	0.017	0.019	0.020	0.018	0.015	0.013	0.013
		(0.012)	(0.011)	(0.011)	(0.011)	(0.012)	(0.012)	(0.013)	(0.0076)
Tenure in t=c			-0.012	-0.012	-0.011	-0.011	-0.011	-0.0099	-0.0081
			(0.0016)**	(0.0017)**	(0.0017)**	(0.0015)**	(0.0015)**	(0.0016)**	(0.0011)**
Log wage in t=c-3				-0.037	0.17	0.17	0.19	0.17	0.15
				(0.016)*	(0.021)**	(0.022)**	(0.022)**	(0.022)**	(0.021)**
Log wage in t=c-4					-0.22	-0.22	-0.20	-0.21	-0.22
					(0.022)**	(0.022)**	(0.022)**	(0.022)**	(0.020)**
Working in East Germany in t=c-1						0.041	0.050	0.029	-0.014
						(0.024)	(0.024)*	(0.023)	(0.013)
Fulltime Employed in t=c-3							-0.100	-0.088	-0.075
							(0.013)**	(0.015)**	(0.015)**
Log(Firmsize) in t=c-1								0.043	0.029
								(0.011)**	(0.0082)**
Observations	80655	80655	80655	80655	80655	80655	80655	80655	80655
R^2	0.000	0.012	0.022	0.022	0.026	0.027	0.030	0.039	0.054
Mean of dep. var	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25
Industry Dummies	No	No	No	No	No	No	No	No	Yes

Notes: Each column in each panel returns the coefficients from a OLS regression. Controls correspond to PS matching variables: age, edyrs, tenure, log wage in t=c-3, log wage in t=c-4, working in East Germany, logfirmsize, fulltime employment in t=c-1, 1-digit industries. Standard Errors clustered on displacement establishment level (constant within matched worker pairs). * and ** correspond to 5 and 1 percent signficance levels, respectively.

Table 9: Explaining the Gender Gap in Wage Losses After Displacement: Reg. Adjustment Instead of Weights

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Panel A: All Workers: Log Wage								
Female	-0.17	-0.16	-0.15	-0.17	-0.15	-0.15	-0.13	-0.13
	(0.0098)**	(0.0095)**	(0.0095)**	(0.0097)**	(0.0090)**	(0.0087)**	(0.0084)**	(0.0082)**
Industry Change		-0.10					-0.082	-0.079
		(0.0056)**					(0.0047)**	(0.0046)**
Occ. Change		-0.11					-0.091	-0.086
		(0.0053)**					(0.0045)**	(0.0045)**
Log Estab Size			0.066				0.046	0.041
			(0.0027)**				(0.0025)**	(0.0021)**
Estab Share Women			-0.31				-0.23	-0.22
			(0.018)**				(0.016)**	(0.016)**
Commute Distance				0.00010			-0.000013	-0.000015
				(0.000031)**			(0.000030)	(0.000031)
AKM Estab FE					0.93	1	0.80	1
					(0.043)**		(0.038)**	
Observations	73598	73598	73598	73598	73598	73598	73598	73598
R^2	0.058	0.082	0.125	0.085	0.177	0.063	0.247	0.138
Mean Dep. Var Men	-.201	-.201	-.201	-.201	-.201	-.201	-.201	-.201
	(.003)	(.003)	(.003)	(.003)	(.003)	(.003)	(.003)	(.003)
Panel B: Full-time Workers: Full-time Log Wage								
Female	-0.045	-0.045	-0.040	-0.044	-0.030	-0.023	-0.028	-0.022
	(0.0052)**	(0.0052)**	(0.0052)**	(0.0053)**	(0.0049)**	(0.0048)**	(0.0048)**	(0.0048)**
Industry Change		-0.033					-0.022	-0.016
		(0.0031)**					(0.0033)**	(0.0033)**
Occ. Change		-0.021					-0.011	-0.0029
		(0.0027)**					(0.0025)**	(0.0023)
Log Estab Size			0.028				0.014	0.0063
			(0.0013)**				(0.0017)**	(0.0011)**
Estab Share Women			-0.10				-0.043	-0.010
			(0.0092)**				(0.0085)**	(0.0081)
Commute Distance				0.00015			0.000100	0.000094
				(0.000023)**			(0.000021)**	(0.000025)**
AKM Estab FE					0.67	1	0.64	1
					(0.043)**		(0.043)**	
Observations	52996	52996	52996	52996	52996	52996	52996	52996
R^2	0.068	0.073	0.095	0.070	0.252	0.037	0.261	0.040
Mean Dep. Var Men	-.094	-.094	-.094	-.094	-.094	-.094	-.094	-.094
	(.002)	(.002)	(.002)	(.002)	(.002)	(.002)	(.002)	(.002)

Notes: This table shows to what extent changes in industry, occupation, and establishment characteristics can explain the effect of being female on wages after displacement. All outcome variables are based on the individual difference-in-differences estimate. We control for individual and establishment characteristics pre displacement. In panel (A), the outcome variable is log wages. In panel (B), the outcome variable is full-time log wages. In both panels, we control for the same set of difference-in-differences estimates as depicted in the table. Columns (2)-(6) control for various difference-in-differences terms. Column (8) controls for all difference-in-differences terms at once. In columns (6) and (8), the coefficient on the establishment effect is forced to be equal to 1. We cluster standard errors at displacement establishment level (constant within matched worker pairs). Workers in our sample are displaced in 2002-2012, and they are observed from 1996-2017. * and ** correspond to 5 and 1 percent signficance levels, respectively.

Table 10: Explaining the Gender Gap in Wage Losses After Displacement: Wage Premia

	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Panel A: All Workers: Log Wage							
Female	-0.13	-0.12	-0.12	-0.10	-0.12	-0.12	-0.14
	(0.013)**	(0.012)**	(0.012)**	(0.012)**	(0.013)**	(0.013)**	(0.013)**
AKM Estab FE		1.06	1				
		(0.064)**					
AKM Estab FE - Gender				0.92	1		
				(0.078)**			
AKM Estab FE Kmeans						0.78	1
						(0.091)**	
Observations	73598	73598	73598	73598	73598	73598	73598
R^2	0.010	0.157	0.038	0.148	0.035	0.056	0.027
Mean Dep. Var Men	-.201	-.201	-.201	-.201	-.201	-.201	-.201
	(.003)	(.003)	(.003)	(.003)	(.003)	(.003)	(.003)
Panel B: Fulltime Workers: Full-time Log Wage							
Female	-0.039	-0.032	-0.030	-0.024	-0.022	-0.038	-0.039
	(0.0084)**	(0.0075)**	(0.0075)**	(0.0080)**	(0.010)*	(0.0080)**	(0.0082)**
AKM Estab FE		0.74	1				
		(0.055)**					
AKM Estab FE - Gender				0.70	1		
				(0.063)**			
AKM Estab FE Kmeans						0.65	1
						(0.078)**	
Observations	52996	52996	52996	52996	52996	52996	52996
R^2	0.003	0.220	0.011	0.222	0.009	0.096	0.005
Mean Dep. Var Men	-.094	-.094	-.094	-.094	-.094	-.094	-.094
	(.002)	(.002)	(.002)	(.002)	(.002)	(.002)	(.002)

Notes: This table shows to what extent changes in different wage premia measured by AKM-style establishment FE can explain the effect of being female on wages after displacement. All outcome variables are based on the individual difference-in-differences estimate. We reweight women to men using individual and establishment characteristics pre displacement. In panel (A), the outcome variable is log wages. In panel (B), the outcome variable is full-time log wages. In both panels, we control for the same set of difference-in-differences estimates as depicted in the table. In columns (3), (5), and (7), the coefficient on the establishment effect is forced to be equal to 1. We cluster standard errors at displacement establishment level (constant within matched worker pairs). Workers in our sample are displaced in 2002-2012, and they are observed from 1996-2017. * and ** correspond to 5 and 1 percent signficance levels, respectively.

Table 11: Explaining the Gender Gap in Wage Losses After Displacement: Estab. Controls

	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Panel A: All Workers: Log Wage							
Female	-0.13	-0.14	-0.13	-0.13	-0.14	-0.13	-0.14
	(0.013)**	(0.013)**	(0.013)**	(0.013)**	(0.013)**	(0.013)**	(0.012)**
Turnover Rate		-0.24					-0.23
		(0.031)**					(0.033)**
Separation Rate		-0.20					-0.20
		(0.049)**					(0.048)**
Firm Age in t=c			-0.0013				0.00030
			(0.00068)				(0.00068)
New Estab				-0.024			0.0056
				(0.016)			(0.015)
Business Service Estab					-0.23		-0.22
					(0.020)**		(0.027)**
Temp Work						-0.13	0.25
						(0.021)**	(0.033)**
Observations	73598	73598	73598	73598	73598	73598	73598
R^2	0.010	0.065	0.010	0.019	0.027	0.020	0.071
Mean Dep. Var Men	-.201	-.201	-.201	-.201	-.201	-.201	-.201
	(.003)	(.003)	(.003)	(.003)	(.003)	(.003)	(.003)
Panel B: Fulltime Workers: Fulltime Log Wage							
Female	-0.039	-0.046	-0.042	-0.039	-0.044	-0.040	-0.049
	(0.0084)**	(0.0081)**	(0.0083)**	(0.0084)**	(0.0084)**	(0.0084)**	(0.0080)**
Turnover Rate		-0.18					-0.15
		(0.016)**					(0.016)**
Separation Rate		-0.038					-0.044
		(0.025)					(0.025)
Firm Age in t=c			-0.0012				-0.00053
			(0.00038)**				(0.00035)
New Estab				-0.015			0.0036
				(0.0085)			(0.0074)
Business Service Estab					-0.18		-0.10
					(0.013)**		(0.017)**
Temp Work						-0.24	-0.048
						(0.015)**	(0.021)*
Observations	52996	52996	52996	52996	52996	52996	52996
R^2	0.003	0.060	0.004	0.003	0.024	0.021	0.069
Mean Dep. Var Men	-.094	-.094	-.094	-.094	-.094	-.094	-.094
	(.002)	(.002)	(.002)	(.002)	(.002)	(.002)	(.002)

Notes: This table shows to what extent firms' turnover and separation rates, switches to new establishments (younger than 6 years), displacement establishment's age, switches to business service establishments, and switches to temp work can explain the effect of being female on wages after displacement. All outcome variables are based on the individual difference-in-differences estimate. We reweight women to men using individual and establishment characteristics pre displacement. In Panel A, the outcome variable is log wages. In Panel B, the outcome variable is full-time log wages. In both panels, we control for the same set of difference-in-differences estimates as depicted in the table. Columns (2)-(6) control for various difference-in-differences terms. Column (7) controls for all difference-in-differences terms at once. We cluster standard errors at displacement establishment level (constant within matched worker pairs). Workers in our sample are displaced in 2002-2012, and they are observed from 1996-2017. * and ** correspond to 5 and 1 percent signficance levels, respectively.

Table 12: The Gender Gap in Job Search Preferences: Adding Job Search Info

	(1) Mean Outcome Men		(2) Unadjusted Gender Gap		(3) Composition Adjusted Gender Gap Regression-Adj.		(4) Composition Adjusted Gender Gap Reweighted		(5) Number of Observations	(6) Data Source
	Change	Std. Err.	Gap	Std. Err.	Gap	Std. Err.	Gap	Std. Err.		
Panel A: All										
Has Job Search Spell	0.696	[0.0096]	**-0.101**	[0.022]	**-0.020**	[0.0060]	**-0.032**	[0.0098]	80,655	ASU
Seeking full-time job	0.979	[0.0016]	**-0.314**	[0.0061]	**-0.136**	[0.0054]	**-0.113**	[0.0060]	45,087	ASU
Seeking any (full- or parttime) employment	0.018	[0.0015]	**0.093**	[0.0041]	**0.058**	[0.0045]	**0.047**	[0.0041]	45,087	ASU
Broad geographic search	0.439	[0.0051]	**-0.040**	[0.0073]	**-0.024**	[0.0085]	-0.019	[0.012]	31,349	ASU
Permanent contract	0.745	[0.0075]	**-0.035**	[0.0091]	**0.020**	[0.0094]	-0.0066	[0.010]	45,131	ASU
Any (fixed or permanent) Contract	0.255	[0.0075]	**0.035**	[0.0091]	**-0.020**	[0.0094]	0.0066	[0.010]	45,131	ASU
Minutes job search	94.0	[1.62]	**-18.0**	[2.09]	**-7.05**	[2.21]	**-9.18**	[2.68]	116,159	SMS
Target wage ratio	1.17	[0.016]	**0.077**	[0.023]	**-0.097**	[0.022]	**-0.054**	[0.027]	5,541	SMS
Log-Target wage ratio	0.075	[0.012]	**0.053**	[0.018]	**-0.084**	[0.017]	**-0.054**	[0.024]	5,541	SMS
Log Target Wage	7.90	[0.013]	**-0.315**	[0.019]	**-0.172**	[0.018]	**-0.172**	[0.026]	8,533	SMS
Life Satisfaction (Scale 1-5)	2.99	[0.022]	**0.117**	[0.031]	**0.148**	[0.035]	**0.154**	[0.039]	14,158	SMS
Panel B: Age Youngest Child $\leq$ 15										
Has Job Search Spell	0.675	[0.0089]	**-0.070**	[0.020]	-0.0065	[0.011]	0.016	[0.019]	22,966	ASU
Seeking full-time job	0.981	[0.0019]	**-0.550**	[0.011]	**-0.323**	[0.013]	**-0.272**	[0.020]	12,735	ASU
Seeking any (full- or parttime) employment	0.016	[0.0018]	**0.091**	[0.0063]	**0.068**	[0.0087]	**0.065**	[0.0099]	12,735	ASU
Broad geographic search	0.446	[0.0073]	**-0.050**	[0.013]	-0.032	[0.018]	**-0.069**	[0.028]	8,884	ASU
Permanent contract	0.759	[0.0083]	**-0.081**	[0.013]	-0.028	[0.016]	**-0.095**	[0.023]	12,731	ASU
Any (fixed or permanent) Contract	0.241	[0.0083]	**0.081**	[0.013]	0.028	[0.016]	**0.095**	[0.023]	12,731	ASU
Minutes job search	91.5	[3.37]	**-22.2**	[3.94]	-3.15	[3.93]	-8.28	[6.00]	30,581	SMS
Target wage ratio	1.20	[0.031]	**0.132**	[0.044]	**-0.118**	[0.047]	**-0.168**	[0.074]	1,607	SMS
Log-Target wage ratio	0.098	[0.024]	**0.087**	[0.034]	**-0.108**	[0.034]	**-0.169**	[0.067]	1,607	SMS
Log Target Wage	7.96	[0.028]	**-0.447**	[0.038]	**-0.209**	[0.035]	-0.136	[0.089]	2,200	SMS
Life Satisfaction (Scale 1-5)	3.08	[0.050]	**0.142**	[0.062]	**0.197**	[0.072]	**0.191**	[0.094]	3,663	SMS
Panel C: Age Youngest Child > 15/No Children										
Has Job Search Spell	0.706	[0.011]	**-0.114**	[0.023]	**-0.024**	[0.0062]	**-0.046**	[0.011]	57,689	ASU
Seeking full-time job	0.978	[0.0019]	**-0.252**	[0.0061]	**-0.103**	[0.0055]	**-0.085**	[0.0057]	32,352	ASU
Seeking any (full- or parttime) employment	0.019	[0.0018]	**0.093**	[0.0044]	**0.056**	[0.0049]	**0.043**	[0.0043]	32,352	ASU
Broad geographic search	0.435	[0.0056]	**-0.036**	[0.0080]	**-0.021**	[0.0092]	-0.0093	[0.013]	22,465	ASU
Permanent contract	0.738	[0.0078]	**-0.020**	[0.0095]	**0.030**	[0.0098]	0.013	[0.011]	32,400	ASU
Any (fixed or permanent) Contract	0.262	[0.0078]	**0.020**	[0.0095]	**-0.030**	[0.0098]	-0.013	[0.011]	32,400	ASU
Minutes job search	94.7	[1.84]	**-15.8**	[2.49]	**-7.64**	[2.63]	**-8.89**	[3.00]	85,578	SMS
Target wage ratio	1.16	[0.018]	0.046	[0.027]	**-0.087**	[0.024]	-0.032	[0.028]	3,934	SMS
Log-Target wage ratio	0.068	[0.014]	0.032	[0.021]	**-0.071**	[0.019]	-0.029	[0.024]	3,934	SMS
Log Target Wage	7.89	[0.014]	**-0.267**	[0.022]	**-0.149**	[0.021]	**-0.157**	[0.027]	6,333	SMS
Life Satisfaction (Scale 1-5)	2.96	[0.025]	**0.093**	[0.036]	**0.127**	[0.040]	**0.147**	[0.043]	10,495	SMS

Notes: Each row represents a separate regression of the outcome variable on a constant and a dummy for female for a sample of displaced workers, only. In Panels B and C we restrict the sample to individuals with young children $\leq$ the age of 15 and above the age of 15 respectively. Data source ASU refers to the job-search preference data collected by the caseworkers at the local UI agency and is based on the subset of about 70% workers of the baseline job-loss sample for whom this information is available. SMS refers to the high-frequency job-search data among unemployed workers between 2017 and 2019 as collected and described in DellaVigna et al. 2022, with number of observations referring to the person $\times$ survey-date level. The first column shows the constant, representing the mean effect for men. The second column the coefficient on a female dummy without any controls. The third column the coefficient on the female dummy controlling for all covariates. The fourth column uses reweighting. We cluster standard errors at the displacement establishment level (constant within matched worker pairs). Workers in our sample are displaced in 2002-2012, and they are observed from 1996-2017. Coefficients in bold are statistically significant at the 5%-level.

Table 13: Explaining the Gender Gap in Wage Losses After Displacement: Job Search Info

	(1)	(2)	(3)	(4)	(5)	(6)
Panel A: All Workers: Log Wage						
Female	-0.13	-0.19	-0.18	-0.19	-0.19	-0.18
	(0.013)**	(0.016)**	(0.017)**	(0.016)**	(0.016)**	(0.017)**
Fulltime Employment			-0.18			-0.10
			(0.019)**			(0.080)
Parttime Employment			-0.41			-0.34
			(0.046)**			(0.091)**
Any Employment			-0.24			-0.18
			(0.040)**			(0.086)*
Permanent Contract				-0.19		0.036
				(0.021)**		(0.096)
Any Contract				-0.16		-0.041
				(0.021)**		(0.080)
All Regions					-0.084	-0.10
					(0.020)**	(0.035)**
Narrow Regions					-0.13	-0.15
					(0.019)**	(0.035)**
Observations	73598	47319	47319	47319	47319	47319
R^2	0.010	0.017	0.029	0.026	0.023	0.031
Mean Dep. Var Men	-.201	-.289	-.289	-.289	-.289	-.289
	(.003)	(.004)	(.004)	(.004)	(.004)	(.004)
Panel B: Fulltime Workers: Fulltime Log Wage						
Female	-0.039	-0.070	-0.063	-0.070	-0.069	-0.062
	(0.0084)**	(0.010)**	(0.010)**	(0.010)**	(0.010)**	(0.010)**
Fulltime Employment			-0.084			-0.080
			(0.013)**			(0.033)*
Parttime Employment			-0.24			-0.23
			(0.063)**			(0.069)**
Any Employment			-0.14			-0.14
			(0.023)**			(0.038)**
Permanent Contract				-0.088		0.033
				(0.013)**		(0.036)
Any Contract				-0.076		0.0078
				(0.014)**		(0.033)
All Regions					-0.033	-0.031
					(0.011)**	(0.022)
Narrow Regions					-0.055	-0.051
					(0.011)**	(0.022)*
Observations	52996	34325	34325	34325	34325	34325
R^2	0.003	0.009	0.019	0.016	0.013	0.020
Mean Dep. Var Men	-.094	-.143	-.143	-.143	-.143	-.143
	(.002)	(.002)	(.002)	(.002)	(.002)	(.002)

Notes: This table shows to what extent job search characteristics can explain the effect of being female on wages after displacement. All outcome variables are based on the individual difference-in-differences estimate. We reweight women to men using individual and establishment characteristics pre displacement. In Panel A, the outcome variable is log wages. In Panel B, the outcome variable is fulltime log wages. In both panels, we control for the same set of job search characteristics as depicted in the table. In Columns (2)-(6), we restrict the sample to individuals with at least one job search spell. For each job search characteristic, the omitted category is "missing information". We cluster standard errors at the displacement establishment level (constant within matched worker pairs). Workers in our sample are displaced in 2002-2012, and they are observed from 1996-2017. * and ** correspond to 5 and 1 percent signficance levels, respectively.

Table 14: Household Outcomes and Added Worker Effect

	(1) Partner Earn. Rel. To Job Loser's in t=c-1	(2) Partner Log Wage	(3) Partner Days Worked	(4) Partner Days Worked Fulltime	(5) Household Earnings Rel. To t=c-1
Panel A: Unadjusted Gender Gap					
Female*Displaced	-0.045	-0.018	3.28	-8.07	0.045
	(0.0087)**	(0.0071)*	(1.89)	(1.68)**	(0.0098)**
Observations	161310	93392	161310	161310	161310
Mean Dep. Var Men	-.02	.005	-15.949	-4.124	-.224
	(.003)	(.006)	(1.843)	(.982)	(.007)
Panel B: Adjusted Gender Gap, Reweighted					
Female*Displaced	-0.019	0.0016	8.85	-2.63	-0.025
	(0.033)	(0.013)	(3.47)*	(3.36)	(0.025)
Observations	161310	93392	161310	161310	161310
Mean Dep. Var Men	-.02	.005	-15.949	-4.124	-.224
	(.003)	(.006)	(1.843)	(.982)	(.007)
Panel C: Regression Adjusted Gender Gap					
Female*Displaced	-0.042	-0.018	4.20	-7.55	0.048
	(0.0088)**	(0.0071)*	(1.93)*	(1.71)**	(0.0100)**
Observations	161310	93392	161310	161310	161310
Mean Dep. Var Men	-.02	.005	-15.949	-4.124	-.224
	(.003)	(.006)	(1.843)	(.982)	(.007)
Panel D: Regression Adjusted Gender Gap If Partner Is Full-time Worker					
Female*Displaced	-0.045	-0.012	3.61	-0.54	0.027
	(0.011)**	(0.0082)	(2.52)	(2.63)	(0.0097)**
Observations	75097	54759	75097	75097	75097
Mean Dep. Var Men	-.039	-.006	-18.771	-15.778	-.189
	(.007)	(.008)	(2.123)	(2.164)	(.008)
Panel E: Regression Adjusted Gender Gap If Partner Is Part-time Worker or Unemployed					
Female*Displaced	0.016	0.030	13.9	2.60	0.033
	(0.013)	(0.029)	(2.87)**	(2.28)	(0.013)*
Observations	86213	38633	86213	86213	86213
Mean Dep. Var Men	-.013	.012	-15.138	.245	-.24
	(.004)	(.008)	(1.372)	(.789)	(.004)
Panel F: Regression Adj. Gender Gap, Partners Working in Different Industries					
Female*Displaced	-0.032	-0.017	4.44	-5.88	0.054
	(0.0091)**	(0.0074)*	(1.97)*	(1.77)**	(0.0099)**
Observations	147305	83540	147305	147305	147305
Mean Dep. Var Men	-.012	.015	-12.16	-1.983	-.22
	(.005)	(.005)	(1.241)	(1.028)	(.004)
Panel G: Regression Adj. Gender Gap, Partners Working in Same Industry					
Female*Displaced	-0.11	0.0091	12.4	-16.6	-0.00018
	(0.030)**	(0.022)	(7.21)	(6.19)**	(0.024)
Observations	14005	9852	14005	14005	14005
Mean Dep. Var Men	-.104	-.094	-58.603	-27.715	-.263
	(.017)	(.015)	(4.17)	(3.872)	(.013)

Notes: This table shows household outcomes after displacement from regressions based on the full sample of workers (displaced and non-displaced workers). All outcome variables are based on the individual first differences estimate. Panel A shows the raw gender gap without controls. Panel B shows the adjusted gender gap using reweighting. Panel C shows the regression adjusted gender gap. Panel D shows the gender gap adjusting if the partner is a full-time worker in t=c-1. Panel E shows the gender gap adjusting if the partner is not a full-time worker (e.g., part-time employed or unemployed) in t=c-1. Panel F shows the regression adjusted gender gap for couples where both partners worked in different 2-digit industries in the year before displacement. Panel G shows the regression adjusted gender gap for couples where both partners worked in the same 2-digit industry in the year before displacement. We cluster standard errors at the displacement establishment level (constant within matched worker pairs). Workers in our sample are displaced in 2002-2012, and they are observed from 1996-2017. * and ** correspond to 5 and 1 percent signficance levels, respectively.

Table 15: The Gender Gap in Earnings Losses - Robustness Checks: More Outcomes

	(1) Baseline	(2) 10 Years Post Displ.	(3) Shorter Tenure Restr.	(4) Mahalanobis And Exact Matching	(5) Reweight. With Occupations	(6) Displ. Estab. FE	(7) Matching Without Wages	(8) Reweight. Men to Women	(9) Non Couples	(10) Couples + Non-Couples
Panel A: Days Worked										
Female	-7.05	-2.17	-12.5	-3.36	-10.4	-5.85	-6.36	5.76	3.08	-3.46
	(2.13)**	(2.63)	(2.05)**	(2.15)	(5.48)	(1.93)**	(2.20)**	(3.51)	(3.50)	(3.45)
Observations	80655	55107	93755	80707	80423	77144	80706	78695	16422	96158
R^2	0.001	0.000	0.002	0.000	0.002	0.330	0.001	0.000	0.000	0.000
Mean Dep. Var Men	-67.66	-49.787	-69.259	-67.125	-67.66	-67.66	-67.588	-67.676	-81.858	-78.058
	(.585)	(.751)	(.553)	(.582)	(.585)	(.585)	(.586)	(.586)	(1.376)	(.567)
Panel B: Days Worked Parttime										
Female	11.3	25.6	12.6	2.08	12.0	9.34	6.27	22.5	7.64	10.5
	(1.66)**	(2.59)**	(1.58)**	(1.45)	(2.97)**	(1.56)**	(1.83)**	(4.37)**	(2.28)**	(2.28)**
Observations	80655	55107	93755	80707	80423	77144	80706	78695	16422	96158
R^2	0.003	0.012	0.003	0.000	0.003	0.300	0.001	0.005	0.001	0.002
Mean Dep. Var Men	-.154	1.18	.03	-.297	-.154	-.154	-.127	.04	-1.736	-1.682
	(.559)	(.702)	(.522)	(.523)	(.559)	(.559)	(.555)	(.547)	(1.145)	(.497)
Panel C: Days Worked in Mini-job										
Female	4.88	2.77	3.31	7.75	4.85	7.81	3.16	12.8	2.69	0.16
	(1.51)**	(1.95)	(1.41)*	(1.31)**	(4.13)	(1.59)**	(1.59)*	(2.59)**	(2.18)	(2.03)
Observations	80655	55107	93755	80707	80423	77144	80706	78695	16422	96158
R^2	0.001	0.000	0.000	0.002	0.001	0.252	0.000	0.004	0.000	0.000
Mean Dep. Var Men	1.086	1.202	1.123	.838	1.086	1.086	1.428	1.071	2.352	2.032
	(.448)	(.516)	(.419)	(.448)	(.448)	(.448)	(.446)	(.445)	(.914)	(.393)
Panel D: Log(Earnings)										
Female	-0.13	-0.13	-0.18	-0.13	-0.20	-0.16	-0.13	-0.13	-0.036	-0.044
	(0.017)**	(0.021)**	(0.017)**	(0.016)**	(0.045)**	(0.016)**	(0.016)**	(0.024)**	(0.022)	(0.020)*
Observations	76321	52601	88465	76361	76090	72813	76363	74435	15279	90732
R^2	0.005	0.004	0.009	0.005	0.011	0.349	0.005	0.005	0.000	0.001
Mean Dep. Var Men	-.41	-.319	-.419	-.392	-.405	-.41	-.4	-.406	-.456	-.443
	(.004)	(.005)	(.004)	(.004)	(.004)	(.004)	(.004)	(.004)	(.01)	(.004)

Notes: Each column in this table represents a different robustness check. All specifications are estimated using weights. Column (1) reports the baseline coefficients. Column (2) reports results for a longer post-displacement time window (10 years). Column (3) reports results for shorter tenure workers (1 year at time of displacement). Column (5) reports results when reweighting with 1-digit occupations in addition to industries and individual characteristics. Column (4) reports results when using Mahalanobis matching in combination with exact matching of pre-displacement earnings deciles. Column (6) reports regression coefficients controlling for pre-displacement establishment fixed effects. Column (7) reports regression coefficients for a sample of treated and control workers, where the propensity score matching did not include log wages. Column (8) reports results when reweighting men to women. Trimmed at 99%. Column (9) reports regression coefficients for a dataset of non-couples. Column (10) reports regression coefficients for a combined dataset of couples and non-couples in our sample. We cluster standard errors at the displacement establishment level (constant within matched worker pairs). Workers in our sample are displaced in 2002-2012, and they are observed from 1996-2017. * and ** correspond to 5 and 1 percent signficance levels, respectively.

Table 16: The Gender Gap in Earnings Losses - Robustness Checks without Controls

	(1) Baseline	(2) 10 Years Post Displ.	(3) Shorter Tenure Restr.	(4) Mahalanobis And Exact Matching	(5) Displ. Estab. FE	(6) Matching Without Wages	(7) Non Couples	(8) Couples + Non-Couples
Panel A: Earnings Rel. to t=c-2								
Female	0.014	0.019	-0.0040	-0.0012	-0.049	0.010	0.044	0.036
	(0.012)	(0.016)	(0.012)	(0.012)	(0.0062)**	(0.012)	(0.012)**	(0.011)**
Observations	80655	55107	93756	80707	77144	80706	16424	96159
R^2	0.000	0.000	0.000	0.000	0.262	0.000	0.001	0.001
Mean Dep. Var Men	-.258	-.203	-.268	-.245	-.258	-.258	-.297	-.287
	(.002)	(.003)	(.002)	(.002)	(.002)	(.002)	(.006)	(.002)
Panel B: Log Wages								
Female	-0.066	-0.063	-0.082	-0.077	-0.14	-0.070	-0.032	-0.039
	(0.013)**	(0.018)**	(0.014)**	(0.013)**	(0.0094)**	(0.013)**	(0.013)*	(0.012)**
Observations	73598	51670	85093	73626	70058	73634	14553	87343
R^2	0.003	0.002	0.004	0.004	0.246	0.003	0.001	0.001
Mean Dep. Var Men	-.201	-.187	-.205	-.188	-.201	-.201	-.201	-.203
	(.003)	(.004)	(.003)	(.003)	(.003)	(.003)	(.007)	(.003)
Panel C: Log Fulltime Wages								
Female	0.013	0.017	0.010	-0.00035	-0.037	0.014	0.00032	0.0053
	(0.0085)	(0.011)	(0.0092)	(0.0072)	(0.0055)**	(0.0083)	(0.0088)	(0.0078)
Observations	52996	39002	60891	56077	49526	53169	10946	63191
R^2	0.000	0.000	0.000	0.000	0.271	0.000	0.000	0.000
Mean Dep. Var Men	-.094	-.091	-.094	-.084	-.094	-.093	-.086	-.09
	(.002)	(.002)	(.002)	(.002)	(.002)	(.002)	(.004)	(.002)
Panel D: Days Worked Fulltime								
Female	31.4	23.7	27.6	33.1	11.1	30.8	32.7	32.2
	(3.24)**	(3.79)**	(2.98)**	(2.99)**	(2.18)**	(3.13)**	(3.65)**	(3.19)**
Observations	80655	55107	93756	80707	77144	80706	16424	96159
R^2	0.008	0.004	0.006	0.010	0.252	0.008	0.008	0.008
Mean Dep. Var Men	-75.47	-56.298	-77.46	-74.628	-75.47	-75.8	-88.476	-84.705
	(.766)	(.976)	(.717)	(.727)	(.766)	(.763)	(1.706)	(.716)

Notes: Each column in this table represents a different robustness check. Specifications are estimated without weights. Column (1) reports the baseline coefficients. Column (2) reports results for a longer post-displacement time window (10 years). Column (3) reports results for shorter tenure workers (1 year at time of displacement). Column (4) reports results when using Mahalanobis matching in combination with exact matching of pre-displacement earnings deciles. Column (5) reports regression coefficients controlling for pre-displacement establishment fixed effects. Column (6) reports regression coefficients for a sample of treated and control workers, where the propensity score matching did not include log wages. Column (7) reports regression coefficients for a dataset of non-couples. Column (8) reports regression coefficients for a combined dataset of couples and non-couples in our sample. We cluster standard errors at the displacement establishment level (constant within matched worker pairs). Workers in our sample are displaced in 2002-2012, and they are observed from 1996-2017. * and ** correspond to 5 and 1 percent signficance levels, respectively.

Table 17: The Gender Gap in Earnings Losses - Robustness Checks with Reg. Adjustment

	(1) Baseline	(2) 10 Years Post Displ.	(3) Shorter Tenure Restr.	(4) Mahalanobis And Exact Matching	(5) Displ. Estab. FE	(6) Matching Without Wages	(7) Non Couples	(8) Couples + Non-Couples
Panel A: Earnings Rel. to t=c-2								
Female	-0.077	-0.075	-0.093	-0.085	-0.076	-0.082	-0.00037	-0.022
	(0.0072)**	(0.0095)**	(0.0086)**	(0.0072)**	(0.0070)**	(0.0074)**	(0.012)	(0.0097)*
Observations	80655	55107	93756	80707	77144	80706	16424	96159
R^2	0.054	0.055	0.045	0.041	0.281	0.056	0.048	0.048
Mean Dep. Var Men	-.258	-.203	-.268	-.245	-.258	-.258	-.297	-.287
	(.002)	(.003)	(.002)	(.002)	(.002)	(.002)	(.006)	(.002)
Panel B: Log Wages								
Female	-0.17	-0.16	-0.18	-0.18	-0.15	-0.17	-0.077	-0.099
	(0.0098)**	(0.013)**	(0.011)**	(0.0095)**	(0.011)**	(0.0099)**	(0.014)**	(0.011)**
Observations	73598	51670	85093	73626	70058	73634	14553	87343
R^2	0.058	0.062	0.053	0.051	0.262	0.059	0.050	0.051
Mean Dep. Var Men	-.201	-.187	-.205	-.188	-.201	-.201	-.201	-.203
	(.003)	(.004)	(.003)	(.003)	(.003)	(.003)	(.007)	(.003)
Panel C: Log Fulltime Wages								
Female	-0.045	-0.043	-0.042	-0.062	-0.053	-0.044	-0.025	-0.031
	(0.0052)**	(0.0068)**	(0.0058)**	(0.0047)**	(0.0058)**	(0.0053)**	(0.0087)**	(0.0070)**
Observations	52996	39002	60891	56077	49526	53169	10946	63191
R^2	0.068	0.062	0.063	0.065	0.296	0.067	0.068	0.067
Mean Dep. Var Men	-.094	-.091	-.094	-.084	-.094	-.093	-.086	-.09
	(.002)	(.002)	(.002)	(.002)	(.002)	(.002)	(.004)	(.002)
Panel D: Days Worked Fulltime								
Female	-24.9	-33.7	-29.2	-10.1	-18.8	-23.6	-3.63	-9.72
	(2.51)**	(2.92)**	(2.52)**	(2.39)**	(2.30)**	(2.43)**	(3.38)	(2.82)**
Observations	80655	55107	93756	80707	77144	80706	16424	96159
R^2	0.150	0.141	0.143	0.094	0.332	0.148	0.136	0.140
Mean Dep. Var Men	-75.47	-56.298	-77.46	-74.628	-75.47	-75.8	-88.476	-84.705
	(.766)	(.976)	(.717)	(.727)	(.766)	(.763)	(1.706)	(.716)

Notes: Each column in this table represents a different robustness check. Specifications are estimated without weights. Column (1) reports the baseline coefficients. Column (2) reports results for a longer post-displacement time window (10 years). Column (3) reports results for shorter tenure workers (1 year at time of displacement). Column (4) reports results when using Mahalanobis matching in combination with exact matching of pre-displacement earnings deciles. Column (5) reports regression coefficients controlling for pre-displacement establishment fixed effects. Column (6) reports regression coefficients for a sample of treated and control workers, where the propensity score matching did not include log wages. Column (7) reports regression coefficients for a dataset of non-couples. Column (8) reports regression coefficients for a combined dataset of couples and non-couples in our sample. We cluster standard errors at displacement establishment level (constant within matched worker pairs). Workers in our sample are displaced in 2002-2012, and they are observed from 1996-2017. * and ** correspond to 5 and 1 percent signficance levels, respectively.

Table 18: The Gender Gap in Earnings Losses - Varying Estimation Samples

	(1) Baseline	(2) West Germany	(3) East Germany	(4) Complete Closures	(5) Mass Layoffs	(6) Stricter Baseline Restrictions
Panel A: Earnings Rel. to t=c-2						
Female	-0.092	-0.10	-0.052	-0.092	-0.092	-0.22
	(0.012)**	(0.019)**	(0.014)**	(0.016)**	(0.017)**	(0.071)**
Observations	80655	58373	22280	24819	55836	35473
R^2	0.007	0.007	0.003	0.008	0.006	0.012
Mean Dep. Var Men	-.258	-.259	-.257	-.262	-.257	-.277
	(.002)	(.003)	(.005)	(.004)	(.004)	(.003)
Panel B: Log Wages						
Female	-0.13	-0.11	-0.17	-0.17	-0.12	-0.16
	(0.013)**	(0.015)**	(0.026)**	(0.021)**	(0.017)**	(0.042)**
Observations	73598	53292	20304	23007	50591	32229
R^2	0.010	0.007	0.017	0.016	0.007	0.012
Mean Dep. Var Men	-.201	-.206	-.183	-.213	-.195	-.213
	(.003)	(.003)	(.006)	(.005)	(.005)	(.004)
Panel C: Log Fulltime Wages						
Female	-0.039	-0.034	-0.056	-0.060	-0.031	-0.069
	(0.0084)**	(0.011)**	(0.013)**	(0.015)**	(0.010)**	(0.023)**
Observations	52996	38692	14303	16975	36021	28518
R^2	0.003	0.002	0.007	0.007	0.002	0.009
Mean Dep. Var Men	-.094	-.097	-.083	-.108	-.084	-.1
	(.002)	(.002)	(.003)	(.003)	(.003)	(.002)
Panel D: Days Worked Fulltime						
Female	-23.1	-21.9	-24.0	-25.9	-21.7	-27.3
	(2.84)**	(3.57)**	(4.26)**	(4.99)**	(3.52)**	(7.85)**
Observations	80655	58373	22280	24819	55836	35473
R^2	0.005	0.004	0.005	0.006	0.004	0.007
Mean Dep. Var Men	-75.47	-75.15	-76.682	-72.364	-77	-80.036
	(.766)	(.851)	(1.721)	(1.295)	(1.295)	(.947)

Notes: Each column in this table represents a different robustness check. All specifications are estimated using weights. Column (1) reports the baseline coefficients. Column (2) reports results workers working in West Germany in t=c-1. Column (3) reports results workers working in East Germany in t=c.-1 Column (4) reports results for workers displaced from a complete establishment closure, only. Column (5) reports results for workers displaced from a mass-layoff, excluding workers displaced from a complete establishment closure. Column (6) reports results for workers applying the same baseline restrictions as in Schmieder et al. (2020). These are: the worker is between age 24 and 50, works full-time at a West German establishment with at least 50 employees, and has at least 3 years of tenure. For Columns (2) and (3), we reweight women in West (East) Germany to men in West (East) Germany. We cluster standard errors at displacement establishment level (constant within matched worker pairs). Workers in our sample are displaced in 2002-2012, and they are observed from 1996-2017. * and ** correspond to 5 and 1 percent signficance levels, respectively.

Table 19: Household Outcomes and Added Worker Effect: Alternative Sample Splits

	(1) Partner Earn. Rel. To Job Loser's in t=c-1	(2) Partner Log Wage	(3) Partner Days Worked	(4) Partner Days Worked Fulltime	(5) Household Earnings Rel. To t=c-1
Panel A: Unadjusted Gender Gap					
Female*Displaced	-0.045	-0.018	3.28	-8.07	0.045
	(0.0087)**	(0.0071)*	(1.89)	(1.68)**	(0.0098)**
Observations	161310	93392	161310	161310	161310
Mean Dep. Var Men	-.02	.005	-15.949	-4.124	-.224
	(.003)	(.006)	(1.843)	(.982)	(.007)
Panel B: Adjusted Gender Gap, Reweighted					
Female*Displaced	-0.019	0.0016	8.85	-2.63	-0.025
	(0.033)	(0.013)	(3.47)*	(3.36)	(0.025)
Observations	161310	93392	161310	161310	161310
Mean Dep. Var Men	-.02	.005	-15.949	-4.124	-.224
	(.003)	(.006)	(1.843)	(.982)	(.007)
Panel C: Regression Adj. Gender Gap, Partners Working in Different Establishments					
Female*Displaced	-0.030	-0.018	5.08	-5.82	0.057
	(0.0089)**	(0.0072)*	(1.96)**	(1.69)**	(0.0098)**
Observations	153294	87808	153294	153294	153294
Mean Dep. Var Men	-.013	.014	-13.02	-2.093	-.221
	(.005)	(.005)	(1.217)	(1.011)	(.004)
Panel D: Regression Adj. Gender Gap, Partners Working in Same Establishment					
Female*Displaced	-0.20	0.048	8.35	-22.3	-0.068
	(0.039)**	(0.030)	(7.66)	(7.67)**	(0.025)**
Observations	8016	5584	8016	8016	8016
Mean Dep. Var Men	-.152	-.18	-77.538	-45.456	-.282
	(.022)	(.02)	(5.686)	(5.368)	(.017)
Panel E: Regression Adj. Gender Gap, Partners Working in Different Occupations					
Female*Displaced	-0.044	-0.018	4.22	-7.88	0.048
	(0.0088)**	(0.0073)*	(1.99)*	(1.71)**	(0.010)**
Observations	152065	86636	152065	152065	152065
Mean Dep. Var Men	-.017	.009	-15.346	-3.345	-.225
	(.005)	(.005)	(1.223)	(1.015)	(.004)
Panel F: Regression Adj. Gender Gap, Partners Working in Same Occupation					
Female*Displaced	-0.012	0.0089	7.22	1.32	0.039
	(0.042)	(0.025)	(7.62)	(7.33)	(0.024)
Observations	9245	6756	9245	9245	9245
Mean Dep. Var Men	-.064	.034	-26.104	-17.597	-.197
	(.025)	(.012)	(5.247)	(4.939)	(.016)

Notes: This table shows household outcomes after displacement from regressions based on the full sample of workers (displaced and non-displaced workers). All outcome variables are based on the individual first differences estimate. Panel A shows the raw gender gap without controls. Panel B shows the adjusted gender gap using reweighting. Panel C shows the regression adjusted gender gap for couples where both partners worked in different establishments in t=c-1. Panel D shows the regression adjusted gender gap for couples where both partners worked in the same establishment in t=c-1. Panel E shows the regression adjusted gender gap for couples where both partners worked in different 3-digit occupations in t=c-1. Panel F shows the regression adjusted gender gap for couples where both partners worked in the same 3-digit occupation in t=c-1. We cluster standard errors at displacement establishment level (constant within matched worker pairs). Workers in our sample are displaced in 2002-2012, and they are observed from 1996-2017. * and ** correspond to 5 and 1 percent signficance levels, respectively.

Table 20: Top 10 2-Digit Industries in the Five Years Before Displacement

(1) Men			(2) Women			(3) Women - Reweighted		
Industry	Code	Percent	Industry	Code	Percent	Industry	Code	Percent
Wholesale Trade	46	8.0	Retail	47	14.6	Retail	47	6.9
Property Development	41	7.1	Education	85	12.4	Infrastructure Operations	52	4.9
Metal Equipment	25	5.2	Administration	84	6.3	Wholesale Trade	46	4.9
Manufacturing of Machines	28	5.2	Wholesale Trade	46	6.2	Cleaning Services	81	4.7
Infrastructure Operations	52	5.1	Meat Production	10	4.6	Management, Consulting	70	4.3
Retail	47	4.3	Cleaning Services	81	3.9	IT Services	62	4.2
Labor Recruitment	78	3.8	Associations	94	2.4	Manufacturing	26	3.6
Meat Production	10	3.3	Health Care	86	2.3	Metal Equipment	25	3.3
Synthetic Products	22	2.8	Infrastructure Operations	52	2.2	Property Development	41	3.0
Education	85	2.6	Social Services	88	2.0	Labor Recruitment	78	2.9

Notes: Table reports top 10 2-digit source industry codes by gender. We define source industry as a worker's most frequent industry in the five years before displacement.

Table 21: Top 10 2-Digit Industries in the Five Years After Displacement

(1) Men			(2) Women			(3) Women - Reweighted		
Industry	Code	Percent	Industry	Code	Percent	Industry	Code	Percent
Wholesale Trade	46	7.9	Retail	47	15.4	Retail	47	8.9
Metal Equipment Productin	25	5.5	Education	85	12.8	Wholesale Trade	46	5.9
Manufacturing of Machines	28	5.4	Administration	84	6.1	Cleaning Services	81	5.2
Infrastructure Operations	52	5.0	Wholesale Trade	46	5.2	Management, Consulting	70	3.7
Retail	47	4.3	Cleaning Services	81	4.5	Infrastructure Operations	52	3.6
Labor Recruitment	78	4.2	Meat Production	10	3.9	IT Services	62	3.4
Property Development	41	3.9	Nursing	87	3.3	Education	85	3.4
Passenger Transport	49	3.3	Health Care	86	3.1	Metal Equipment	25	3.1
Meat Production	10	2.9	Social Services	88	2.3	Labor Recruitment	78	3.1
Cleaning Services	81	2.7	Food Service Industry	56	2.2	Architecture	71	2.8

Notes: Table reports top 10 2-digit destination industry codes by gender. We define destination industry as a worker's most frequent industry in the five years after displacement.

Table 22: Top 10 3-Digit Occupations in the Five Years Before Displacement

(1) Men			(2) Women			(3) Women - Reweighted		
Occupation	Code	Percent	Occupation	Code	Percent	Occupation	Code	Percent
Qualified Office Employee	781	7.3	Qualified Office Employee	781	27.1	Qualified Office Employee	781	30.6
Trucker	714	6.5	Salesperson	682	11.6	Salesperson	682	5.0
Warehouseman	744	3.9	Cleaner	933	4.3	Cleaner	933	3.9
Data Processing Expert	774	3.0	Nursery Worker	864	2.8	Accountant	772	2.8
Bricklayer	441	2.8	Despatcher	522	2.3	Purchasing Agent	681	2.6
Helper	531	2.8	Purchasing Agent	681	2.2	Data Processing Expert	774	2.5
Technician	628	2.4	Warehouseman	744	2.1	Stenographer	782	2.5
Stockman	741	2.4	Helper	531	1.9	Manager	751	2.2
Salesperson	682	2.3	Chef	411	1.6	Warehouseman	744	1.9
Electrician	311	2.1	Secondary School Teacher	873	1.6	Despatcher	522	1.8

Notes: Table reports top 10 3-digit source occupation codes by gender. We define source occupation as a worker's most frequent occupation in the five years before displacement.

Table 23: Top 10 3-Digit Occupations in the Five Years After Displacement

(1) Men			(2) Women			(3) Women - Reweighted		
Occupation	Code	Percent	Occupation	Code	Percent	Occupation	Code	Percent
Trucker	714	7.4	Qualified Office Employee	781	25.1	Qualified Office Employee	781	27.8
Qualified Office Employee	781	6.4	Salesperson	682	12.1	Salesperson	682	6.0
Warehouseman	744	4.1	Cleaner	933	5.5	Cleaner	933	4.9
Data Processing Expert	774	3.0	Nursery Worker	864	3.2	Accountant	772	3.5
Manager	751	2.9	Warehouseman	744	2.3	Purchasing Agent	681	2.9
Stockman	741	2.6	Purchasing Agent	681	2.3	Manager	751	2.6
Bricklayer	441	2.4	Social Worker	861	2.1	Warehouseman	744	2.3
Salesperson	682	2.3	Chef	411	1.9	Data Processing Expert	774	2.0
Electrician	311	2.2	Accountant	772	1.8	Stenographer	782	1.6
Technician	628	2.1	Despatcher	522	1.6	Helper	531	1.4

Notes: Table reports top 10 3-digit destination occupation codes by gender. We define destination occupation as a worker's most frequent occupation in the five years after displacement.

Table 24: 2-digit Industry Switches - Women

	Destination Industries										
	Retail	Education	Administration	Wholesale Trade	Maint. Services	Nursing	Temp Work	Food Prod.	Food Services	Medical Care	All
Retail	2914	32	44	193	69	60	72	169	70	54	4706
Education	8	3111	113	4	4	65	12	1	13	17	3990
Administration	61	569	1123	5	4	12	6	2	4	22	2058
Wholesale Trade	350	20	38	366	55	24	63	76	45	31	1988
Food Production	407	5	7	79	53	32	61	410	46	17	1535
Maintenance Services	25	8	17	7	566	56	22	12	49	27	1011
Clothing Manufacturing	81	7	10	62	24	45	19	23	23	18	805
Nursing	7	317	24	2	2	96	5	4	7	28	797
Logistics	89	9	4	44	22	15	47	16	14	17	784
Production of Electronics	86	11	13	47	19	17	48	14	24	17	726

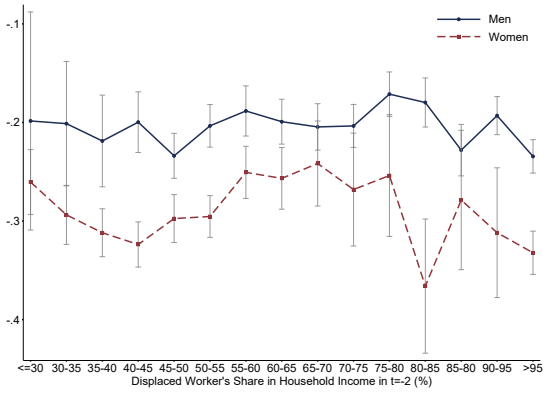
Notes: This table shows the number of women in the 10 most common origin 2-digit industries (rows) switching to the 10 most common destination industries (columns). The last column shows the total number of women in a given origin 2-digit industry.

Table 25: 2-digit Industry Switches - Men

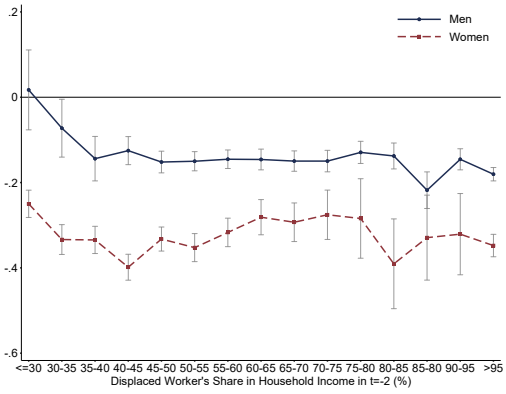
	Destination Industries										
	Whole-sale Trade	Temp Work	Metal Pro-cessing	Logistics	Retail Trade	Machine Prod.	Building Instal-lation	Con-struc-tion	Transport	Edu-cation	All
Construction	99	78	71	59	50	24	613	1414	73	20	4407
Wholesale Trade	1139	135	86	261	255	113	85	15	117	17	3824
Logistics	191	127	33	908	75	30	36	7	382	6	2488
Machine Production	179	119	327	16	56	679	73	6	20	14	2383
Metal Processing	132	142	650	35	56	203	118	21	34	12	2381
Retail Trade	223	60	30	70	910	28	77	8	33	20	2206
Temp Work	66	687	98	66	20	94	96	9	29	4	1875
Food Production	149	100	37	71	82	38	40	4	60	2	1786
Production of Electronics	128	67	92	32	67	138	25	4	17	20	1673
Plastics Production	73	106	113	41	26	62	54	7	27	10	1469

Notes: This table shows the number of men in the 10 most common origin 2-digit industries (rows) switching to the 10 most common destination industries (columns). The last column shows the total number of men in a given origin 2-digit industry.

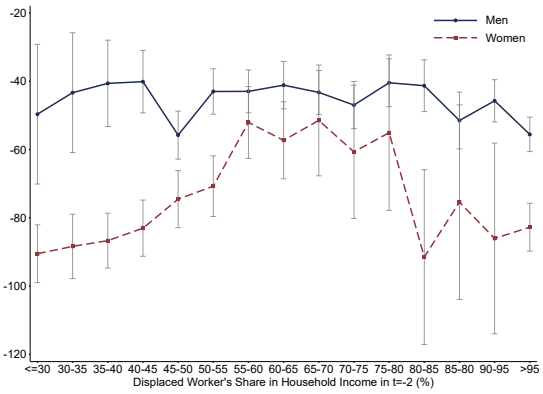
Figure 1: Costs of Job Loss by Displaced Worker's Share in Household Income in t=c-1



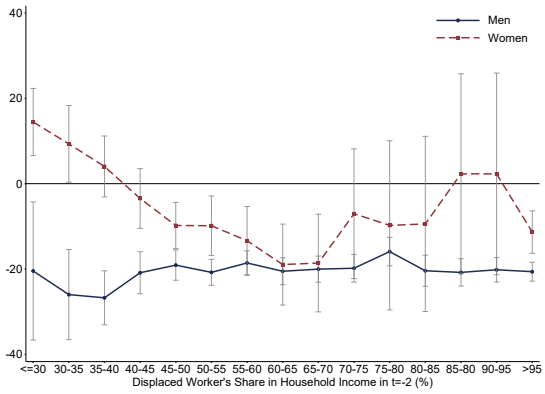
(a) Earnings Relative to t=c-2



(b) Log Wage



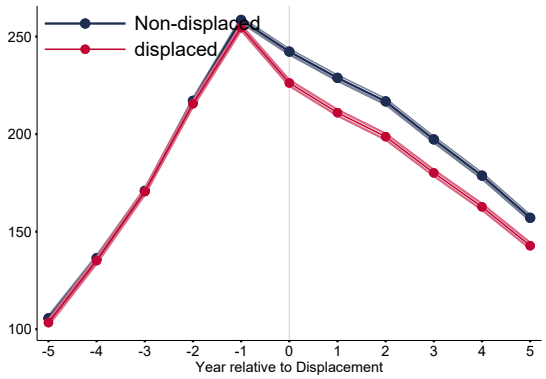
(c) Days Worked Fulltime



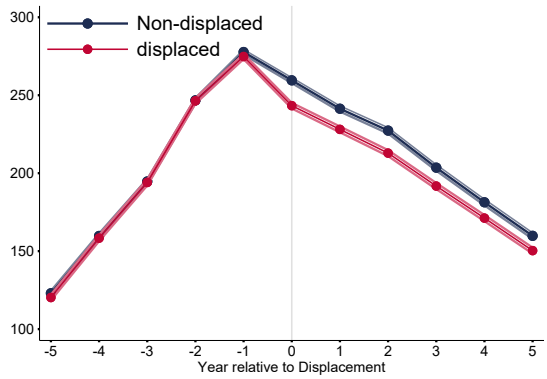
(d) Days Worked Parttime

Notes: This figure shows how labor market outcomes before and after displacement differ for men and women by their share in household income in t=c-1. All outcomes variables are the respective difference-in-difference estimate. Panels (a)-(d) show eventstudy coefficients for earnings relative to t=c-2, log wage, days worked in fulltime job, and days worked in parttime job. The dark blue line corresponds to men, the dashed red line corresponds to women. All regressions control for individual and establishment characteristics. Individual characteristics are a worker's log wage in t=c-3 and t=c-4, fulltime employment in t=c-3, and age, years of education, tenure, and location in East or West Germany in t=c-1. Establishment characteristics are 1-digit industry dummies and log establishment size in t=c-1. Vertical bars indicate the estimated 95% confidence interval based on standard errors clustered at the displacement establishment level. Workers are displaced in 2002-2012, and they are observed from 1997-2017.

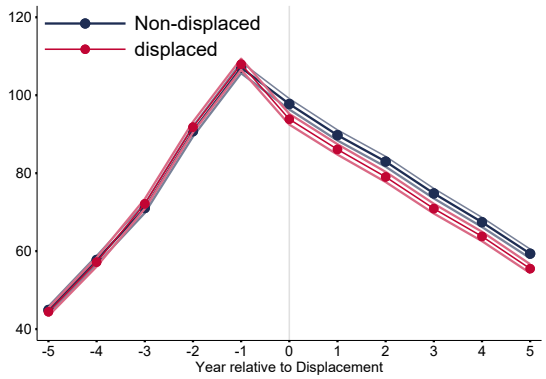
Figure 2: Partner Outcomes before and after Displacement without Controlling for Pre-Displacement Characteristics



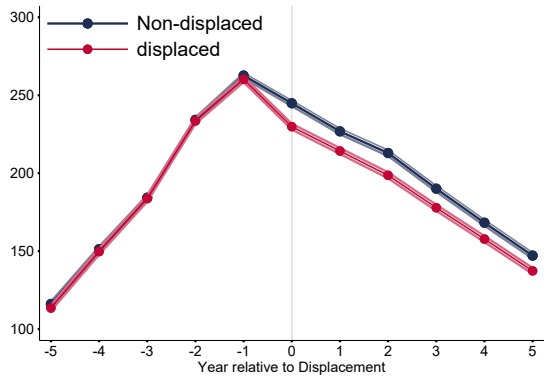
(a) Partner Days Worked - Men



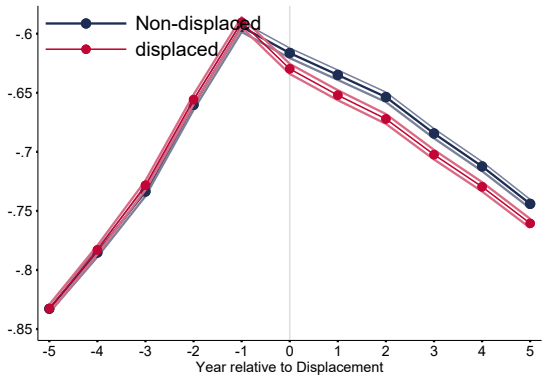
(b) Partner Days Worked - Women



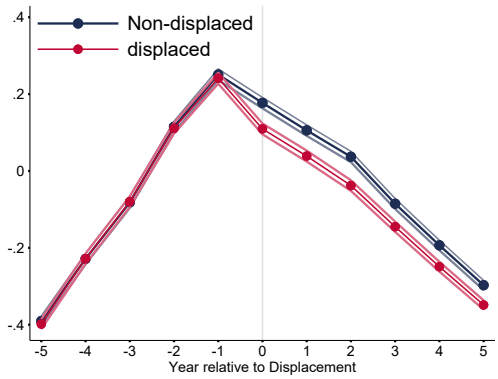
(c) Partner Days Worked Fulltime - Men



(d) Partner Days Worked Fulltime - Women



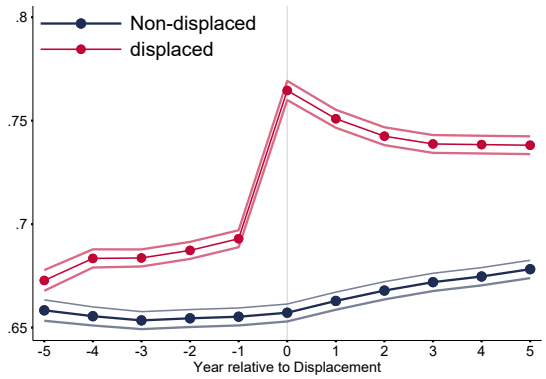
(e) Earnings Rel. To (Non-)Displaced Partner in t=c-2 - Men



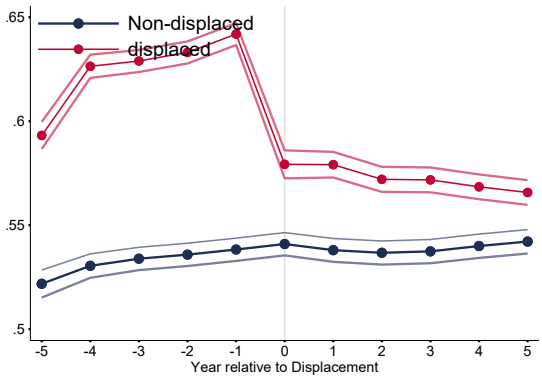
(f) Earnings Rel. To (Non-)Displaced Partner in t=c-2 - Women

Notes: This figure shows parnters' outcomes without controls for displaced and non-displaced men and women. Panels (a) and (b) show (non-)displaced workers' partners days worked, Panels (c) and (d) show (non-)displaced workers' partners days worked in fulltime employment, Panels (e) and (f) show partners earnings relative to (non-)displaced workers' earnings in t=c-2. The red line corresponds to workers who are displaced from year t=c-1 to t=c, while the blue line corresponds to the matched control group that is constructed of non-displaced workers via propensity score matching. Each point represents the average value in the respective worker group.

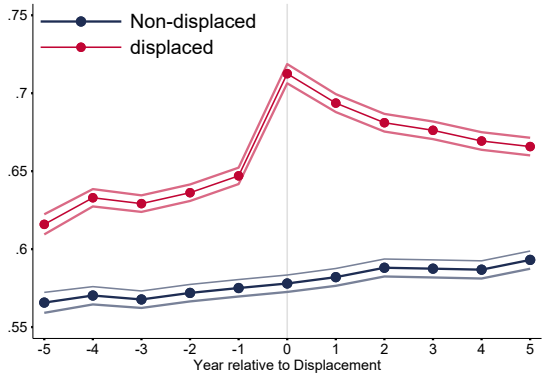
Figure 3: Commuting Outcomes before and after Displacement without Controlling for Pre-Displacement Characteristics



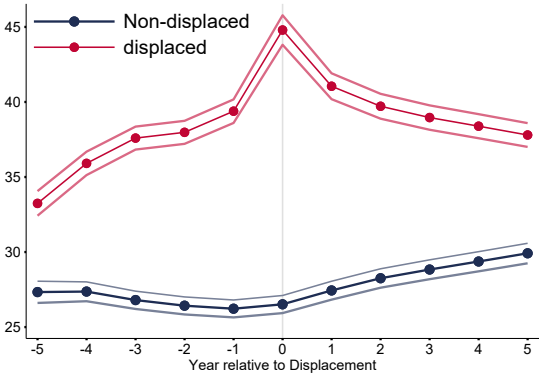
(a) Propensity to Commute - Men



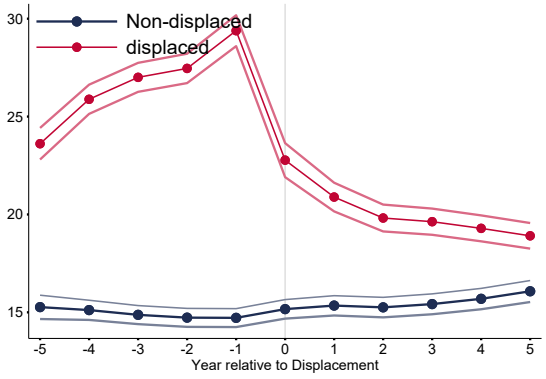
(b) Propensity to Commute - Women



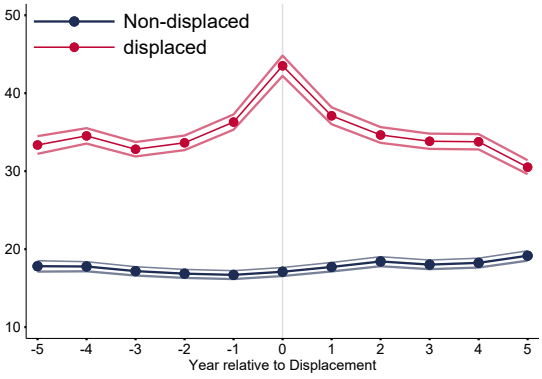
(c) Propensity to Commute - Women Reweighted



(d) Commuting Distance (km) - Men



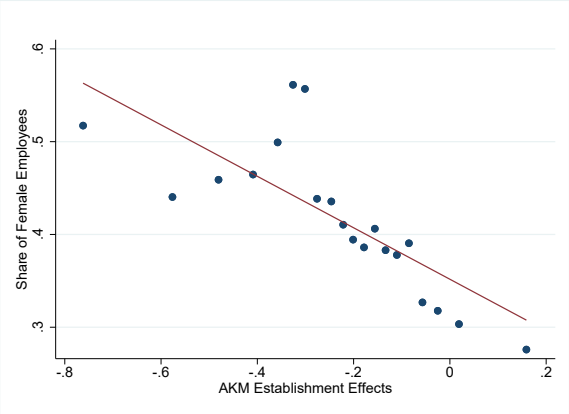
(e) Commuting Distance (km) - Women



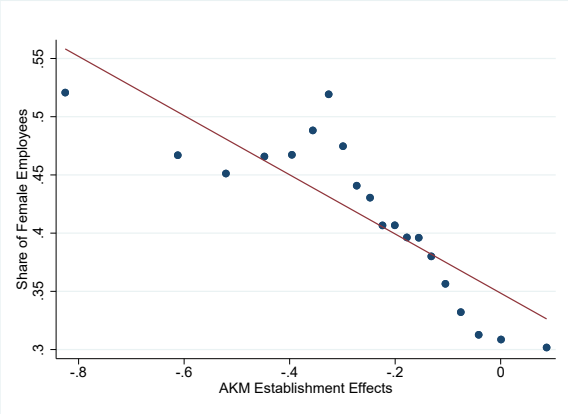
(f) Commuting Distance (km) - Women Reweighted

Notes: The figures show commuting outcomes without controls for displaced and non-displaced men and women. All commuting outcomes are defined on the municipality level. Panels (a), (b), and (c) show the propensity to commute for displaced and non-displaced men (a), women (b), and reweighted women (c). Panels (d), (e), and (f) show commuting distance between workplace municipality and residence municipality (in km) for displaced and non-displaced men (d), women (e), and reweighted women (f). The red line corresponds to workers who are displaced from year t=c-1 to t=c, while the blue line corresponds to the matched control group that is constructed of non-displaced workers via propensity score matching. Each point represents the average value in the respective worker group.

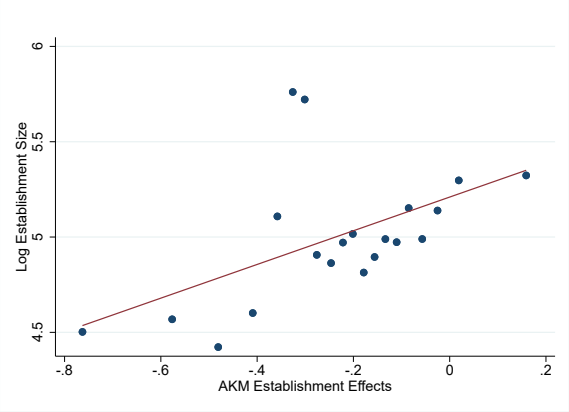
Figure 4: Binscatter Plots



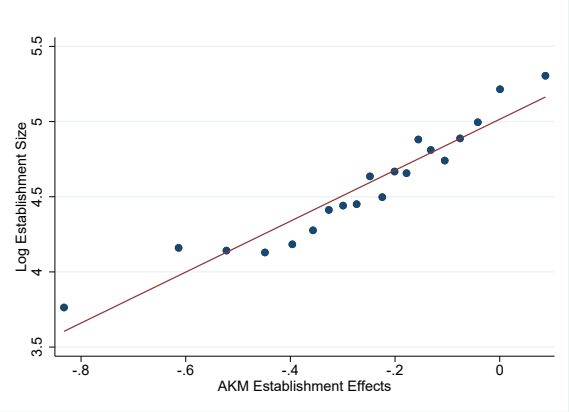
(a) Binscatter Plot of AKM Effects vs. Share of Female Employees Pre Displ.



(b) Binscatter Plot of AKM Effects vs. Share of Female Employees Post Displ.



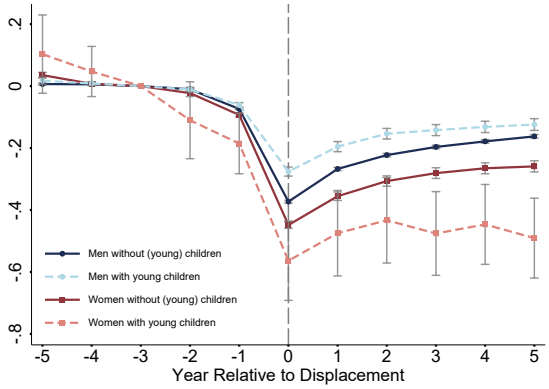
(c) Binscatter Plot of AKM Effects vs. Establishment Size Pre Displ.



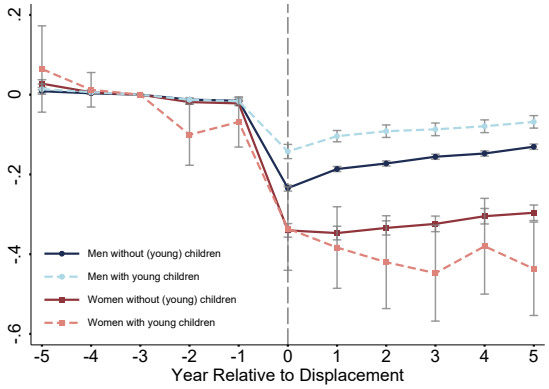
(d) Binscatter Plot of AKM Effects vs. Establishment Size Post Displ.

Notes: This figure shows different binscatter plots for AKM establishment effects vs. the share of female employees in an establishment (Panels A-B), and AKM establishment effects vs. establishment size (Panels C-D).

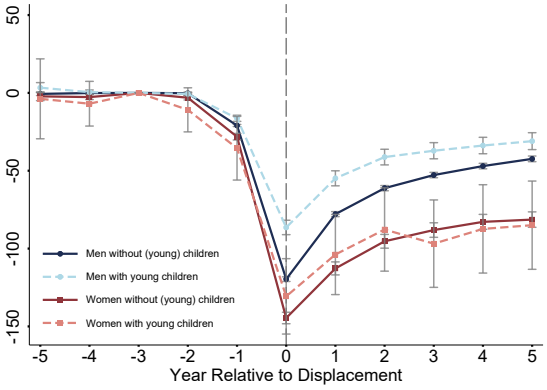
Figure 5: The Gender Gap and Children



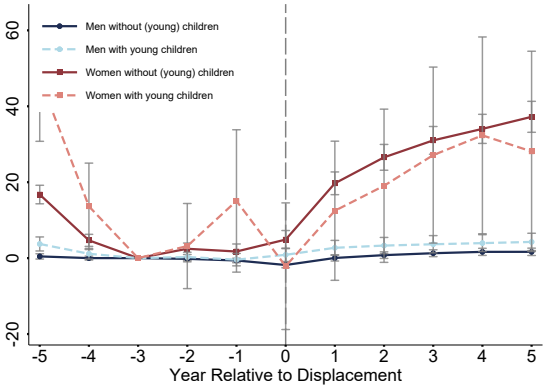
(a) Earnings Relative to t=c-2



(b) Log Wage



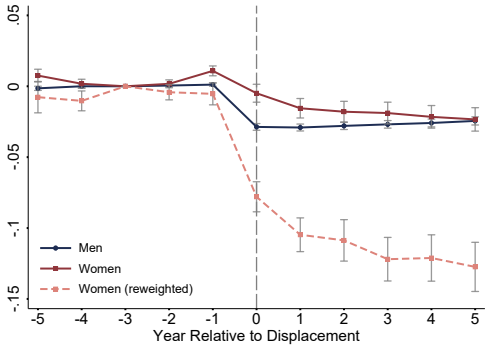
(c) Days Worked Fulltime



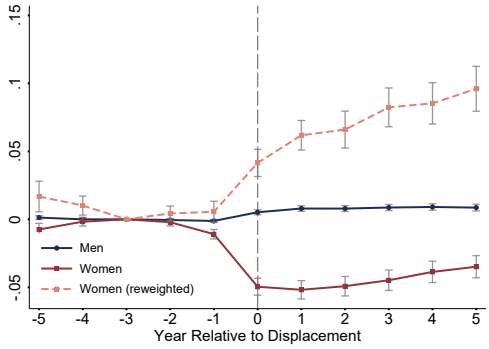
(d) Days Worked Parttime

Notes: This figure shows how labor market outcomes before and after displacement differ for men and women with older and younger children. Panels (a)-(d) show eventstudy coefficients for earnings relative to t=c-2, log wage, days worked in fulltime employment, and days worked in parttime employment. The four lines correspond to four event study regressions: Men with no children or children older than 6 only, women with no children and children older than 6 only, men with children younger than 7, women with children younger than 7. In reweighting, men with no or older children are the baseline group, to which we reweight the other three groups using individual and establishment characteristics. All regressions include controls for person FE, year FE, years since separation, and age polynomials. Vertical bars indicate the estimated 95% confidence interval based on standard errors clustered at the individual level. Commuting distance is measured on the municipality level, and is recorded on December 31 each year. Workers are displaced in 2002-2012, and they are observed from 1997-2017.

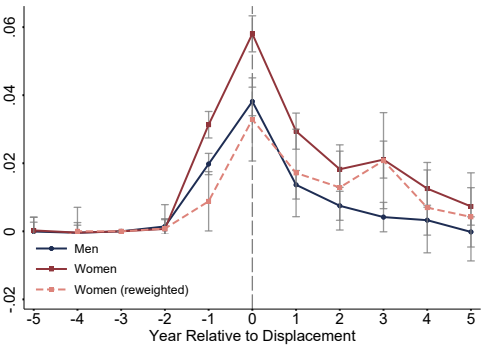
Figure 6: The Gender Gap in Earnings Losses - Additional Outcomes



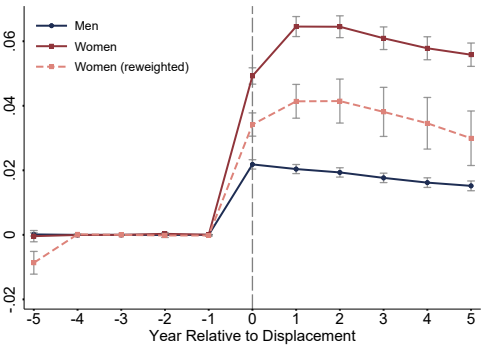
(a) Fulltime Employment Conditional on Working



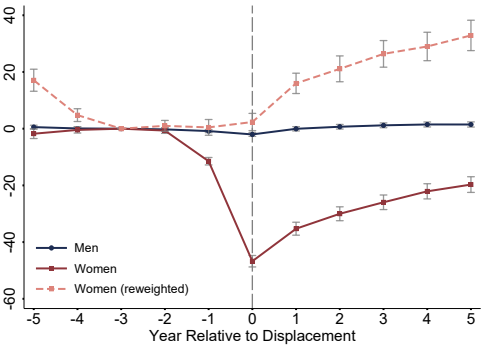
(b) Parttime Employment Conditional on Working



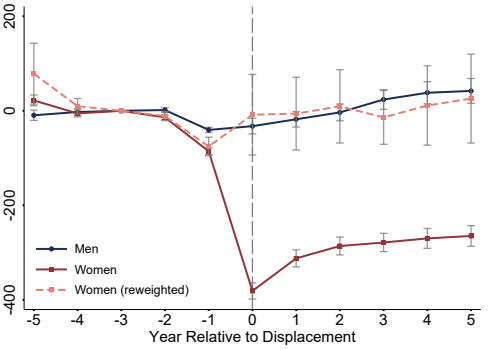
(c) At Least 1 Mini-job Conditional on Working



(d) Only Mini-job Conditional on Working



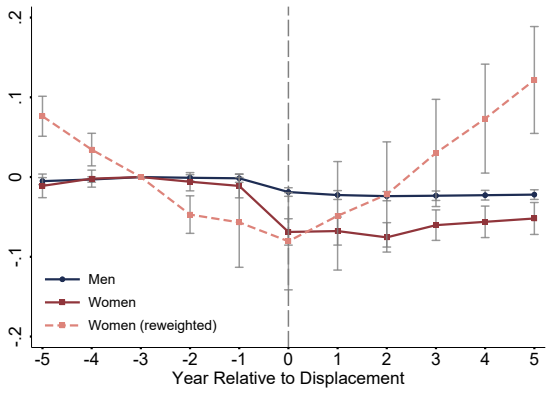
(e) Days Worked in Parttime Employment



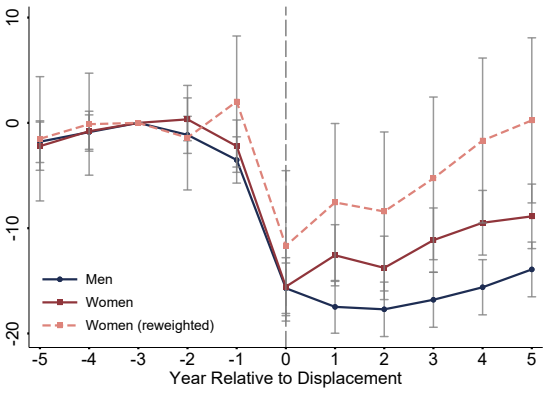
(f) Establishment Size

Notes: This figure shows how fulltime employment, parttime employment, marginal employment (all conditional on working), days worked in parttime employment, and establishment size evolve differently for non-displaced workers compared to displaced workers. Panels (a)-(d) show eventstudy coefficients for the propensity to be fulltime employed, parttime employed, employed in at least 1 mini-job, and only employed in mini-jobs, all conditional on working. Panels (e)-(f) show event study coefficients for the number of days worked in parttime employment per year, and establishment size. The three lines correspond to three event study regressions: Men only, women only, and women reweighted with individual and establishment characteristics. All regressions include controls for person FE, year FE, years since separation, and age polynomials. Vertical bars indicate the estimated 95% confidence interval based on standard errors clustered at the individual level. Workers are displaced in 2002-2012, and they are observed from 1997-2017.

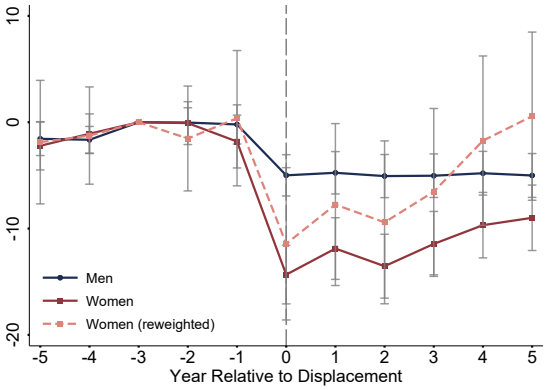
Figure 7: Job Loss on the Household Level - The Added Worker Effect



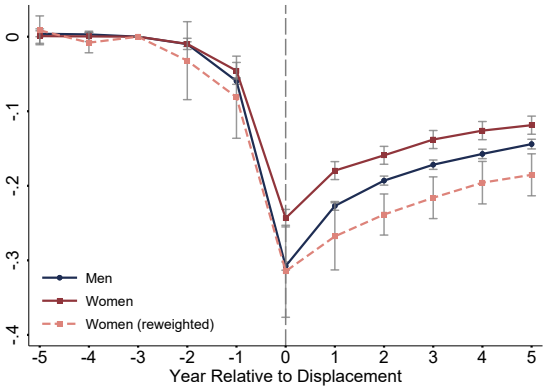
(a) Partner's Earnings Relative to Job Loser's in t=c-1



(b) Partner's Days Worked per Year



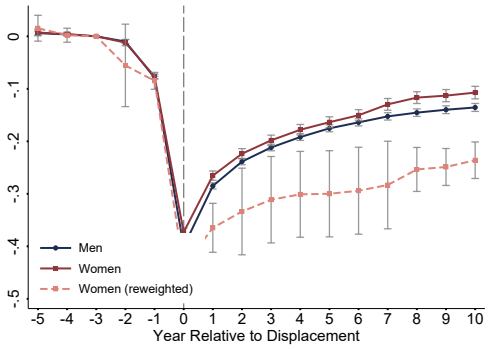
(c) Partner's Days Worked Fulltime per Year



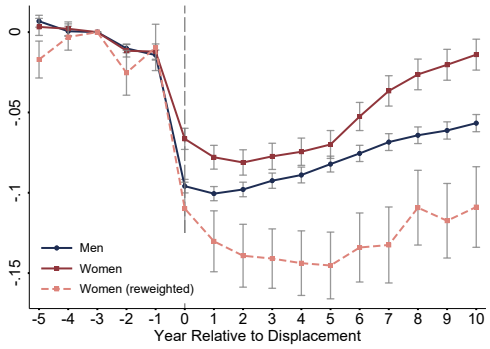
(d) Household Earnings Relative to t=c-1

Notes: This figure shows how partner and household outcomes evolve differently for non-displaced workers compared to displaced workers. Panels (a)-(d) show eventstudy coefficients for partner's earnings relative to the earnings of the job loser in t=c-2, partner's days worked per year, partner's days worked fulltime per year, and household earnings relative to t=c-2. The three lines correspond to three event study regressions: Men only, women only, and women reweighted with individual and establishment characteristics. All regressions include controls for person FE, year FE, years since separation, and age polynomials. Vertical bars indicate the estimated 95% confidence interval based on standard errors clustered at the individual level. Workers are displaced in 2002-2012, and they are observed from 1997-2017.

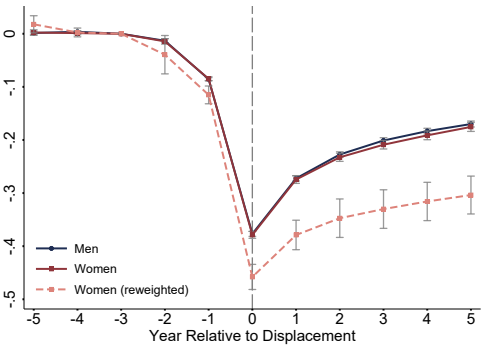
Figure 8: Robustness Checks: Longer Time Window, Shorter Tenure, Mahalanobis Matching



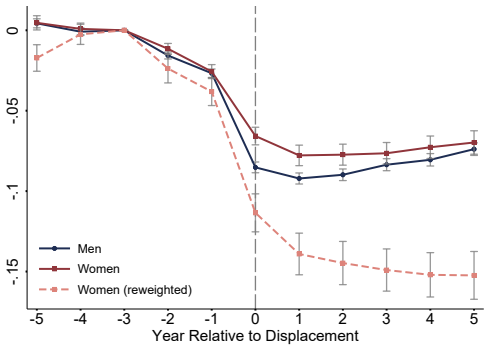
(a) Earnings Relative to t=c-2 - 10 Years Post Displ.



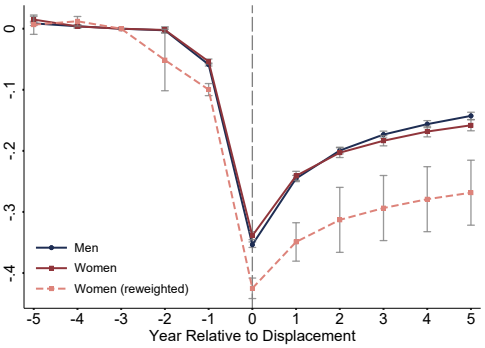
(b) Log Wage Fulltime - 10 Years Post Displ.



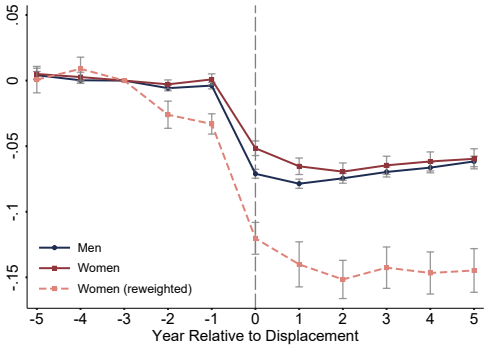
(c) Earnings Relative to t=c-2 - Shorter Tenure Restr.



(d) Log Wage Fulltime - Shorter Tenure Restr.



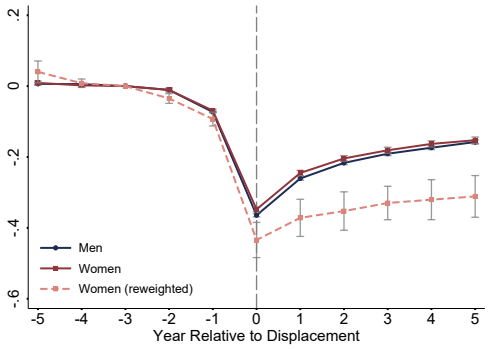
(e) Earnings Relative to t=c-2 - Mahalanobis Matching



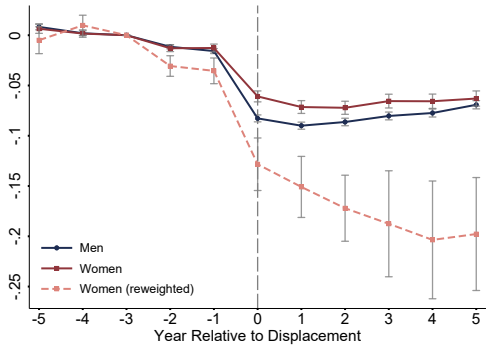
(f) Log Wage Fulltime - Mahalanobis Matching

Notes: This figure shows how earnings relative to t=c-2 and fulltime log wages differ for men and women before and after displacement for different robustness specifications. Panels (a)-(b) show event study coefficients for a sample of workers which are observable up to 10 years after job loss. Panels (c)-(d) show event study coefficients for a sample of workers with at least 1 year of tenure in t=c-1. Panels (e)-(f) show event study coefficients for a sample of workers matched via Mahalanobis in combination with exact matching of pre-displacement earnings deciles. The three lines correspond to three event study regressions: Men only, women only, and women reweighted with individual and establishment characteristics. All regressions include controls for person FE, year FE, years since separation, and age polynomials. Vertical bars indicate the estimated 95% confidence interval based on standard errors clustered at the individual level. Workers are displaced in 2002-2012, and they are observed from 1997-2017.

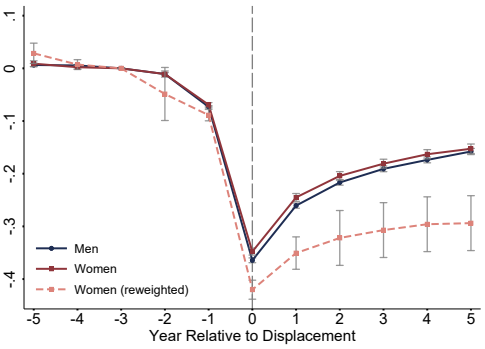
Figure 9: Robustness Checks: Occupational Reweighting, Displ. Estab. Fixed Effects, Matching without Wages



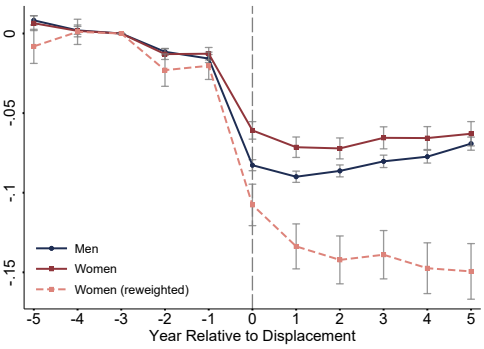
(a) Earnings Relative to t=c-2 - Reweighting with Occupations



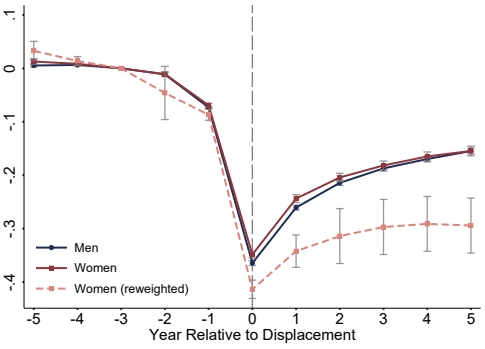
(b) Log Wage Fulltime - Reweighting with Occupations



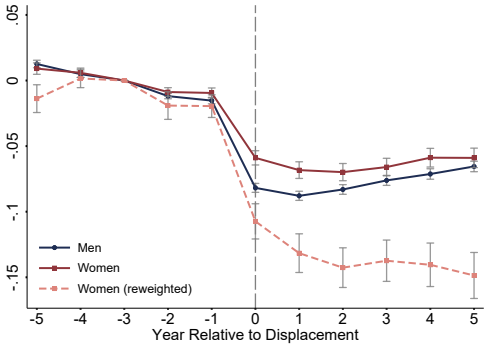
(c) Earnings Relative to t=c-2 - Adding Displ. Estab. Effects



(d) Log Wage Fulltime - Adding Displ. Estab. Effects



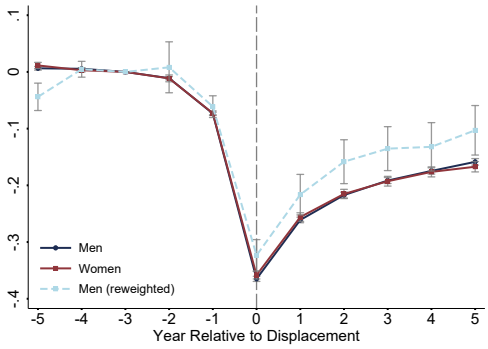
(e) Earnings Relative to t=c-2 - Matching Without Wages



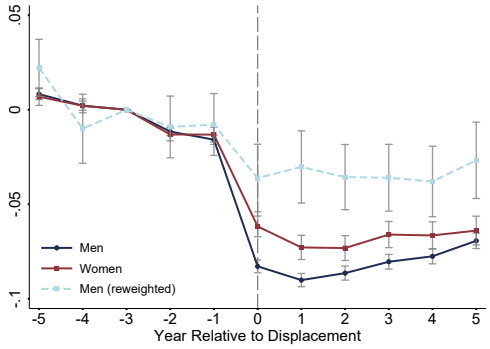
(f) Log Wage Fulltime - Matching Without Wages

Notes: This figure shows how earnings relative to t=c-2 and fulltime log wages differ for men and women before and after displacement for different robustness specifications. Panels (a)-(b) show event study coefficients for our baseline sample of workers, where we add 1-digit occupations as controls to our reweighting algorithm. Panels (c)-(d) show event study coefficients for our baseline sample of workers, where we add displacement establishment fixed effects to the regression specifications. Panels (e)-(f) show event study coefficients for a sample of workers matched using our baseline propensity score matching algorithm but without matching on pre-displacement wages. The three lines correspond to three event study regressions: Men only, women only, and women reweighted with individual and establishment characteristics. All regressions include controls for person FE, year FE, years since separation, and age polynomials. Vertical bars indicate the estimated 95% confidence interval based on standard errors clustered at the individual level. Workers are displaced in 2002-2012, and they are observed from 1997-2017.

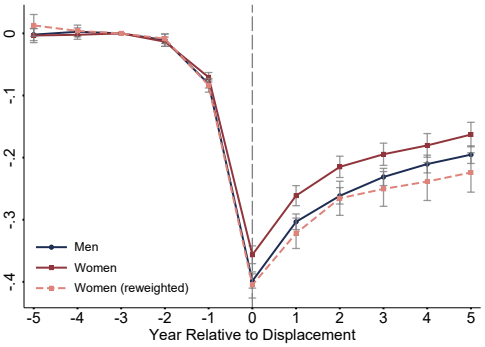
Figure 10: Robustness Checks: Reweighting Men to Women, Non-Couples, Couples and Non-Couples



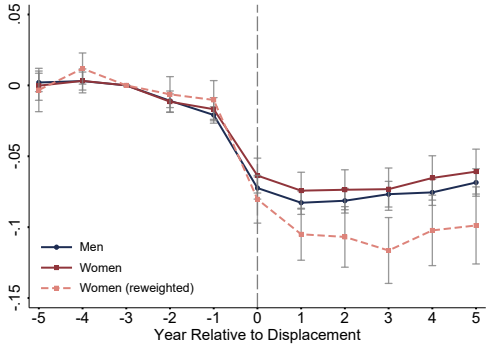
(a) Earnings Relative to t=c-2 - Reweighting Men to Women



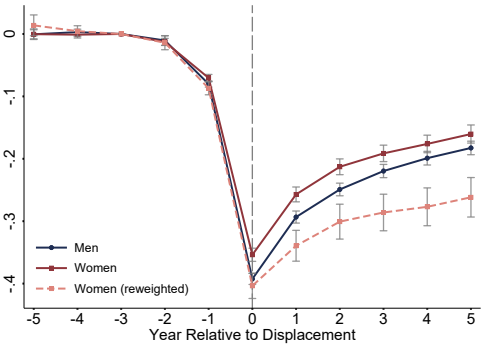
(b) Log Wage Fulltime - Reweighting Men to Women



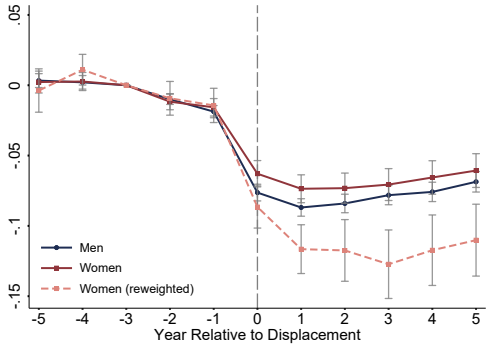
(c) Earnings Relative to t=c-2 - Non-Couples Only



(d) Log Wage Fulltime - Non-Couples Only



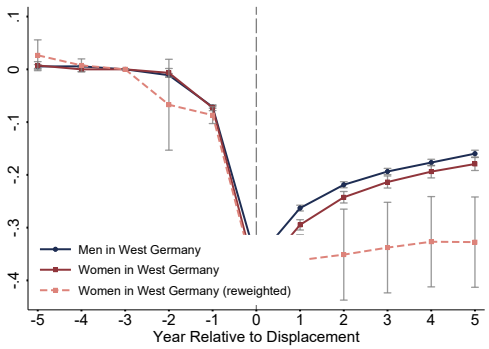
(e) Earnings Relative to t=c-2 - Couples + Non-Non-Couples



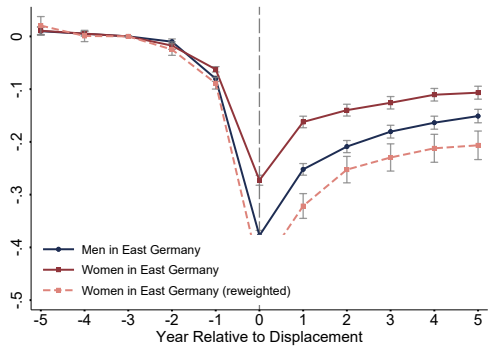
(f) Log Wage Fulltime - Couples + Non-Couples

Notes: This figure shows how earnings relative to t=c-2 and fulltime log wages differ for men and women before and after displacement for different robustness specifications. Panels (a)-(b) show event study coefficients for our baseline sample of workers, where we reweight men to women with respect to individual characteristics and 1-digit industries. Panels (c)-(d) show event study coefficients for a sample of workers not identified in the couple data. Panels E-F show eventstudy coefficients for a combined sample of workers in the couple data and not in the couple data. The three lines correspond to three event study regressions: Men only, women only, and women reweighted with individual and establishment characteristics. All regressions include controls for person FE, year FE, years since separation, and age polynomials. Vertical bars indicate the estimated 95% confidence interval based on standard errors clustered at the individual level. Workers are displaced in 2002-2012, and they are observed from 1997-2017.

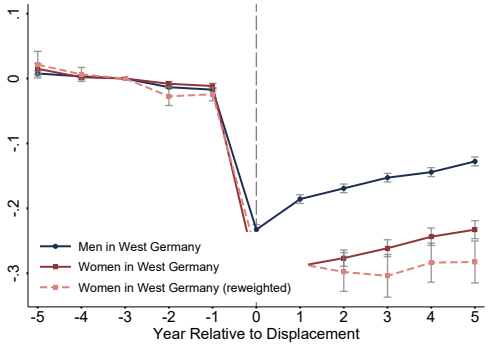
Figure 11: Earnings and Wage Losses - East vs. West Germany



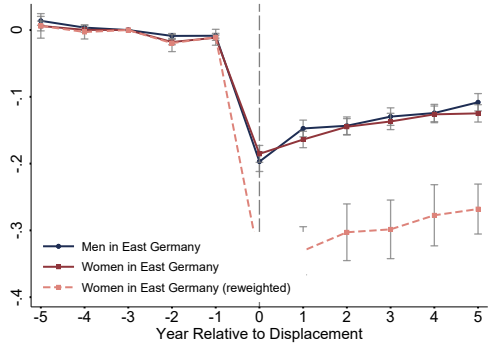
(a) Earnings Rel. To t=c-2 - West Germany



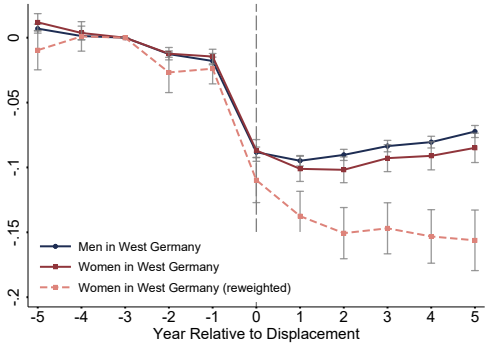
(b) Earnings Rel. To t=c-2 - East Germany



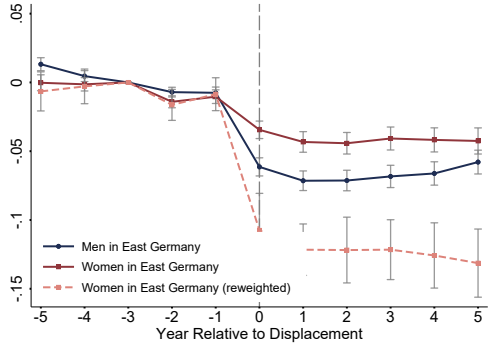
(c) Log Wage - West Germany



(d) Log Wage - East Germany



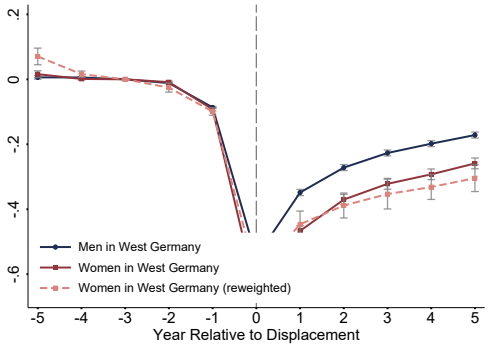
(e) Log Wage Full-time Job - West Germany



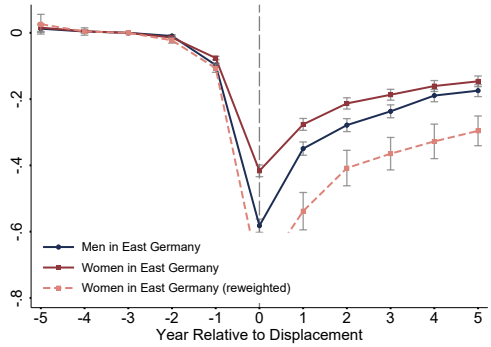
(f) Log Wage Full-time Job - East Germany

Notes: This figure shows how labor market characteristics before and after displacement differ for men and women working in West and East Germany in t=c-1, respectively. Panels (a), (c), and (e) show event study coefficients for earnings relative to earnings in t=c-2, log wages, and log wages in fulltime job for West Germany. Panels (b), (d), and (f) show eventstudy coefficients for earnings relative to earnings in t=c-2, log wages, and log wages in fulltime job for East Germany. The three lines correspond to three event study regressions: Men only, women only, and women reweighted with individual and establishment characteristics. Women in West (East) Germany are reweighted to men in West (East) Germany. All regressions include controls for person FE, year FE, years since separation, and age polynomials. Vertical bars indicate the estimated 95% confidence interval based on standard errors clustered at the individual level. Workers are displaced in 2002-2012, and they are observed from 1997-2017.

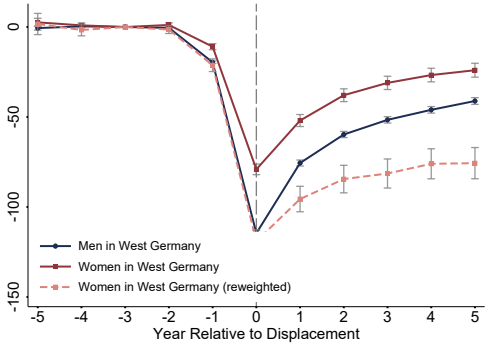
Figure 12: Log Earnings and Days Worked - East vs. West Germany



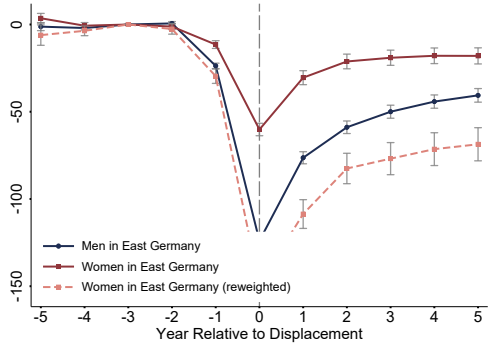
(a) Log Earnings - West Germany



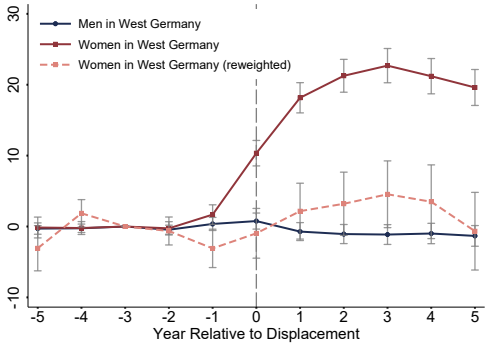
(b) Log Earnings - East Germany



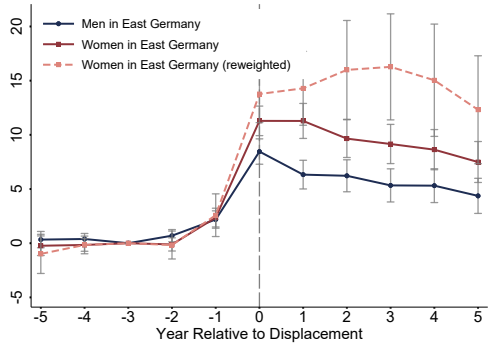
(c) Days Worked in Full-time Job - West Germany



(d) Days Worked in Full-time Job - East Germany



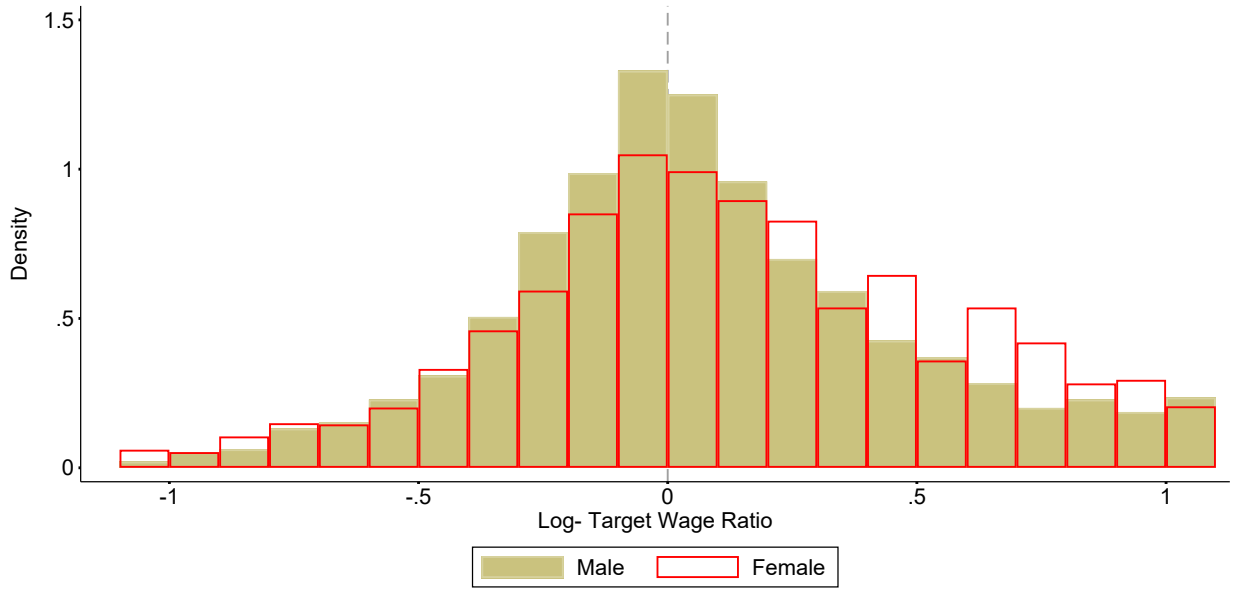
(e) Days Worked in Minijob - West Germany



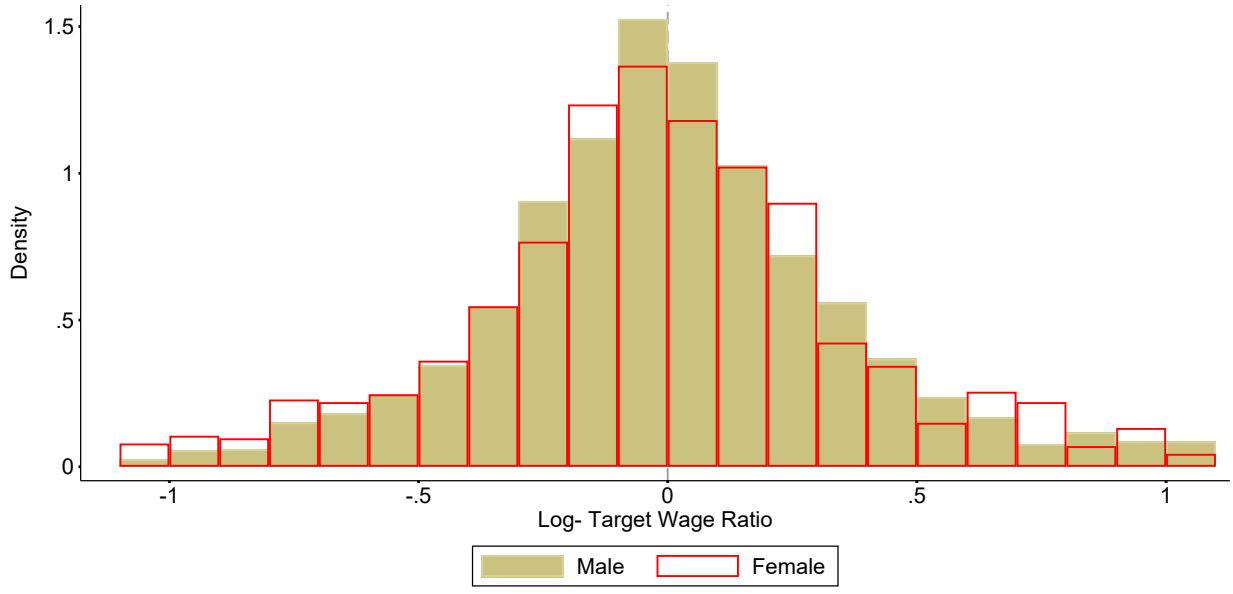
(f) Days Worked in Minijob - East Germany

Notes: This figure shows how labor market characteristics before and after displacement differ for men and women working in West and East Germany in t=c-1, respectively. Panels (a), (c), and (e) show eventstudy coefficients for log earnings, days worked in full-time job and days worked in minijob for West Germany. Panels (b), (d), and (f) show eventstudy coefficients for log earnings, days worked in fulltime job and days worked in minijob for East Germany. The three lines correspond to three event study regressions: Men only, women only, and women reweighted with individual and establishment characteristics. Women in West (East) Germany are reweighted to men in West (East) Germany. All regressions include controls for person FE, year FE, years since separation, and age polynomials. Vertical bars indicate the estimated 95% confidence interval based on standard errors clustered at the individual level. Workers are displaced in 2002-2012, and they are observed from 1997-2017.

Figure 13: Log Target Wage Ratio



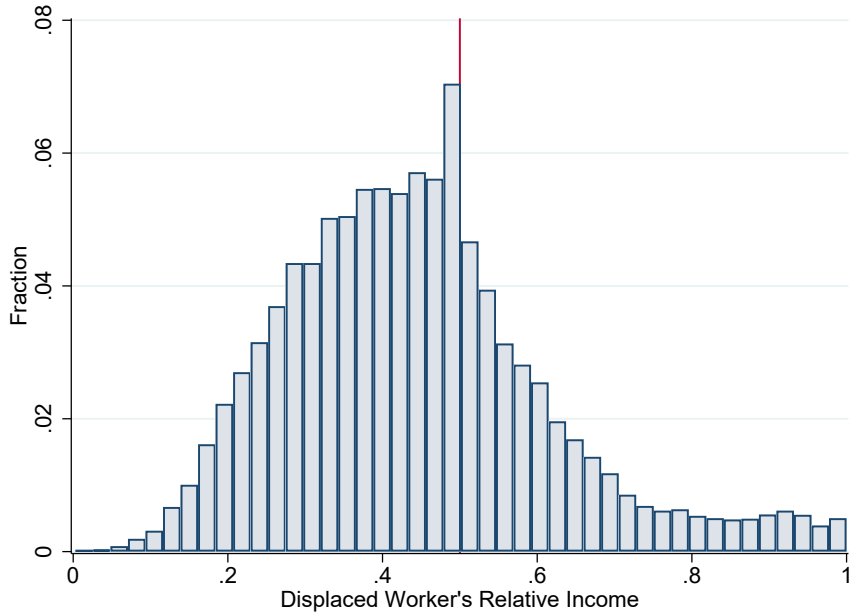
(a) Log Target Wage Ratio - All Nonemployed



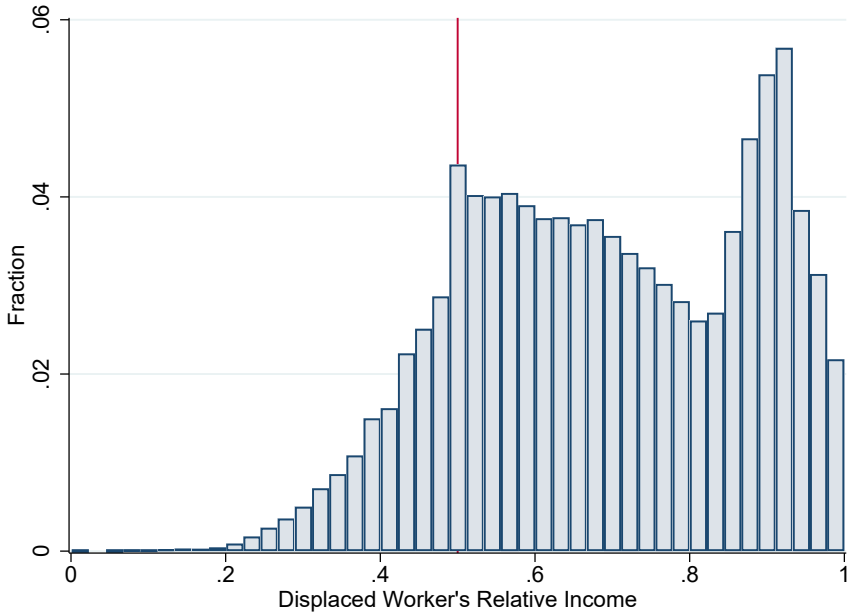
(b) Log Target Wage Ratio - Nonemployed w/ Fulltime Job Pre UI

Notes: This figure shows histograms of the log-target wage ratio, defined as the log of the ratio of monthly target wage (the monthly gross wage of the job last applied to) and the monthly gross wage pre unemployment separate by males and females. Panel (A) includes all observations during nonemployment, panel B restricts further to individuals with a fulltime-job pre unemployment.

Figure 14: Distribution of Share in Household Income by Gender



(a) Distribution of Displaced Wifes' Share in Household Income - t=c-1



(b) Distribution of Displaced Husbands' Share in Household Income - t=c-1

Notes: This figure shows the distribution of displaced wifes' (Panel (a)) and husbands' (Panel (b)) share in household income in the year before displacement (t=c-1). We set the share equal to zero if the partner is not working.

D Main Results for Combined Sample of Couples and Non-Couples

Table D1: The Gender Gap in Earnings Losses and Other Characteristics After Displacement

	(1) Mean Change in Outcome Variable for Men		(2) Unadjusted Gender Gap		(3) Composition Adjusted Gender Gap Regression-Adj.		(4) Composition Adjusted Gender Gap Reweighted		(5) Number of Observations
	Change	Std. Err.	Gap	Std. Err.	Gap	Std. Err.	Gap	Std. Err.	
Panel A: Earnings, Wages, and Employment									
Total Yearly Earnings	-10177.2	[247.1]	**3051.6**	[339.6]	130.2	[273.2]	**-2257.8**	[507.7]	96,158
Earnings in t=c-2 - Diff-Diff	-0.287	[0.0063]	**0.036**	[0.011]	**-0.022**	[0.0097]	**-0.048**	[0.013]	96,158
Log Earnings - Diff-Diff	-0.443	[0.0096]	0.0079	[0.018]	**-0.070**	[0.015]	**-0.044**	[0.020]	90,732
Sinh(Earnings)	-1.83	[0.051]	**0.272**	[0.075]	0.049	[0.062]	**-0.249**	[0.099]	96,158
Log Wage Loss	-0.203	[0.0061]	**-0.039**	[0.012]	**-0.099**	[0.011]	**-0.075**	[0.015]	87,342
Fulltime Log Wage - Diff-Diff	-0.090	[0.0033]	0.0053	[0.0078]	**-0.031**	[0.0070]	**-0.044**	[0.012]	63,191
Days Worked	-78.1	[1.71]	**12.4**	[2.86]	**4.41**	[2.24]	-3.46	[3.45]	96,158
Days Worked Fulltime - Diff-Diff	-84.7	[1.90]	**32.2**	[3.19]	**-9.72**	[2.82]	**-14.4**	[4.07]	96,158
Days Worked Parttime - Diff-Diff	-1.68	[0.637]	**-26.6**	[1.89]	**8.75**	[1.76]	**10.5**	[2.28]	96,158
Days Worked in Minijob - Diff-Diff	2.03	[0.671]	**8.05**	[1.22]	**6.83**	[1.44]	0.163	[2.03]	96,158
Panel B: Job Characteristics									
Commuting Distance	1.65	[1.60]	**-6.15**	[1.81]	0.662	[2.00]	0.466	[3.62]	86,502
Log Establishment Size - Diff-Diff	-0.752	[0.028]	**-0.484**	[0.065]	**-0.123**	[0.030]	-0.073	[0.048]	86,318
Industry Change	0.440	[0.0064]	-0.021	[0.014]	**0.029**	[0.0099]	0.017	[0.013]	87,320
Occ. Change	0.280	[0.0060]	**-0.050**	[0.010]	-0.0074	[0.0092]	-0.018	[0.013]	87,254
Estab Share Women	0.0064	[0.0025]	**0.031**	[0.0037]	**0.054**	[0.0041]	**0.059**	[0.0059]	85,877
Temp Work	0.040	[0.0020]	**-0.020**	[0.0026]	**-0.017**	[0.0032]	**-0.016**	[0.0037]	86,318
Business Service Estab	0.069	[0.0028]	**-0.030**	[0.0038]	**-0.033**	[0.0044]	**-0.036**	[0.0049]	86,318
New Estab	0.200	[0.0064]	**0.061**	[0.015]	0.0056	[0.0086]	0.0087	[0.011]	86,318
AKM Estab FE	-0.062	[0.0055]	0.0063	[0.0055]	**-0.013**	[0.0043]	-0.0030	[0.0056]	96,158

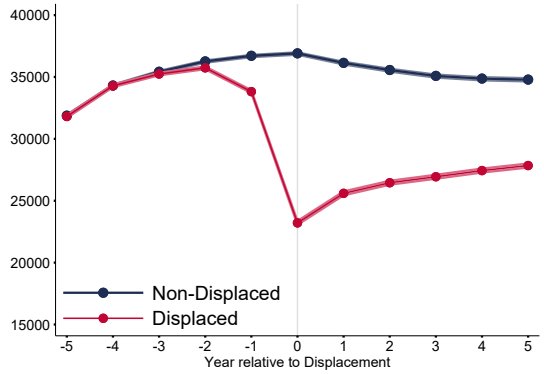
Notes: Regression results for a sample of couples and non-couples. Each row represents a separate regression of the mean change in the outcome variable over a five year period after job loss on a constant and a dummy for female. The first column shows the constant, representing the mean effect for men. The second column the coefficient on a female dummy without any controls. The third column the coefficient on the female dummy controlling for all covariates. The fourth column uses reweighting. We cluster standard errors at displacement establishment level (constant within matched worker pairs). Workers in our sample are displaced in 2002-2012, and they are observed from 1996-2017. Coefficients in bold are statistically significant at 5%-level.

Table D2: Explaining the Gender Gap in Wage Losses After Displacement

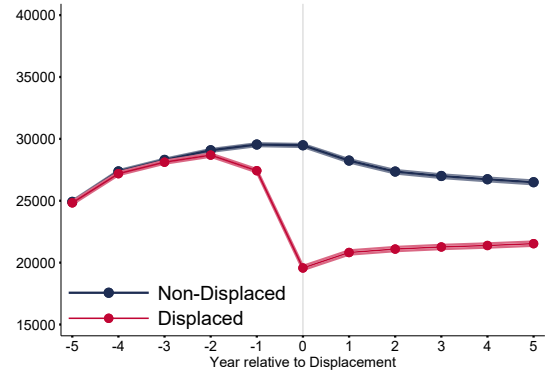
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Panel A: All Workers: Log Wage									
Female	-0.075	-0.076	-0.045	-0.080	-0.049	-0.071	-0.071	-0.043	-0.044
	(0.015)**	(0.015)**	(0.014)**	(0.015)**	(0.013)**	(0.014)**	(0.013)**	(0.011)**	(0.011)**
Industry Change		-0.095						-0.039	-0.033
		(0.013)**						(0.011)**	(0.010)**
Occ. Change		-0.15						-0.076	-0.073
		(0.014)**						(0.010)**	(0.010)**
Log Establishment Size - Diff-Diff			0.057					0.034	0.029
			(0.0063)**					(0.0048)**	(0.0048)**
Estab Share Women			-0.43					-0.19	-0.17
			(0.045)**					(0.034)**	(0.034)**
Commuting Distance				-0.00012				-0.000098	-0.000093
				(0.000083)				(0.000066)	(0.000065)
Fulltime - Diff-Diff					0.69			0.58	0.56
					(0.025)**			(0.021)**	(0.020)**
AKM Estab FE						1.09	1	0.80	1
						(0.064)**		(0.052)**	
Observations	87342	87342	87342	87342	87342	87342	87342	87342	87342
R^2	0.003	0.032	0.070	0.023	0.231	0.181	0.039	0.378	0.266
Mean Dep. Var Men	-.202	-.202	-.202	-.202	-.202	-.202	-.202	-.202	-.202
	(.003)	(.003)	(.003)	(.003)	(.003)	(.003)	(.003)	(.003)	(.003)
Panel B: Fulltime Workers: Fulltime Log Wage									
Female	-0.044	-0.044	-0.034	-0.044	-0.049	-0.044	-0.043	-0.044	-0.045
	(0.012)**	(0.012)**	(0.011)**	(0.012)**	(0.012)**	(0.012)**	(0.012)**	(0.011)**	(0.011)**
Industry Change		-0.042						-0.017	-0.0082
		(0.010)**						(0.0088)	(0.0086)
Occ. Change		-0.022						-0.0041	0.00084
		(0.012)						(0.0094)	(0.0095)
Log Establishment Size - Diff-Diff			0.025					0.0089	0.00087
			(0.0035)**					(0.0028)**	(0.0034)
Estab Share Women			-0.15					-0.052	-0.012
			(0.038)**					(0.032)	(0.032)
Commuting Distance				-0.000087				-0.000076	-0.000068
				(0.000094)				(0.000080)	(0.000083)
Fulltime - Diff-Diff					0.33			0.24	0.20
					(0.029)**			(0.026)**	(0.025)**
AKM Estab FE						0.73	1	0.66	1
						(0.049)**		(0.048)**	
Observations	63191	63191	63191	63191	63191	63191	63191	63191	63191
R^2	0.003	0.009	0.031	0.004	0.082	0.225	0.035	0.270	0.070
Mean Dep. Var Men	-.093	-.093	-.093	-.093	-.093	-.093	-.093	-.093	-.093
	(.002)	(.002)	(.002)	(.002)	(.002)	(.002)	(.002)	(.002)	(.002)

Notes: Regression results for a sample of couples and non-couples. This table shows to what extent changes in industry, occupation, and establishment characteristics can explain the effect of being female on wages after displacement. All outcome variables are based on the individual difference-in-differences estimate. We reweight women to men using individual and establishment characteristics pre displacement. In panel (A), the outcome variable is log wages. In panel (B), the outcome variable is fulltime log wages. In both panels, we control for the same set of difference-in-differences estimates as depicted in the table. Columns (2)-(7) control for various difference-in-differences terms. Column (8) controls for all difference-in-differences terms at once. In columns (7) and (9), the coefficient on the establishment effect is forced to be equal to 1. We cluster standard errors at displacement establishment level (constant within matched worker pairs). Workers in our sample are displaced in 2002-2012, and they are observed from 1996-2017. * and ** correspond to 5 and 1 percent signficance levels, respectively.

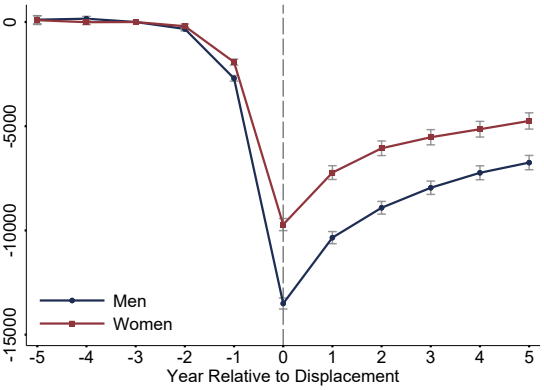
Figure D1: The Gender Gap in Earnings Losses after Displacement without Controlling for Pre-Displacement Characteristics



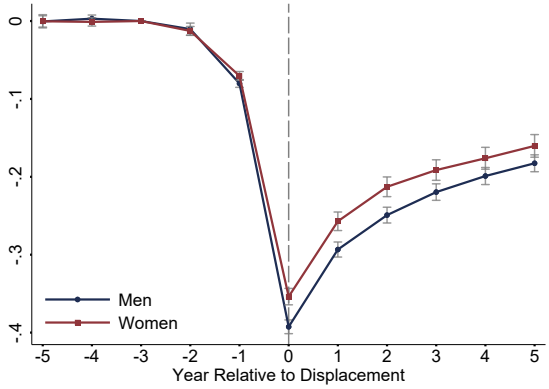
(a) Total Earnings in Year - Men



(b) Total Earnings in Year - Women



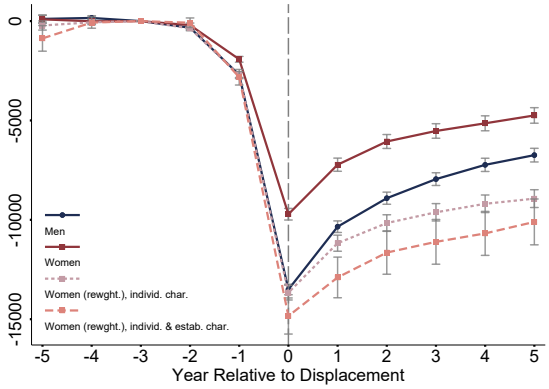
(c) Total Earnings in Year - Men and Women



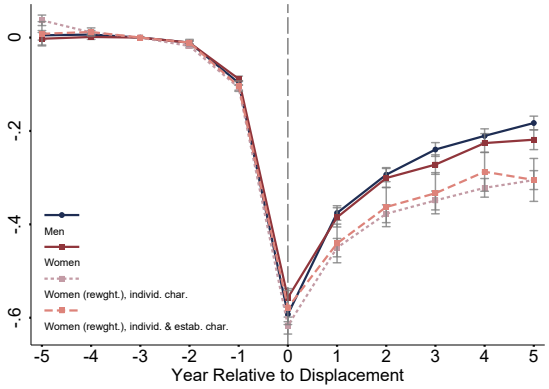
(d) Earnings Relative to t=c-2 - Men and Women

Notes: The figures show earnings losses for displaced and non-displaced workers for a combined sample of couples and non-couples. Panels (a) and (b) show total yearly earnings for displaced and non-displaced men (a) and women (b). The red line corresponds to workers who are displaced from year t=c-1 to t=c, while the blue line corresponds to the matched control group that is constructed of non-displaced workers via propensity score matching. Each point represents the average value in the respective worker group. Panels C and D show event study coefficients, controlling for person FE, year FE, years since separation, and age polynomials. Panel (c) shows event study coefficients for total yearly earnings as outcome. Panel (d) shows event study coefficients for earnings relative to t=c-2 as outcome. The red line corresponds to women, the blue line corresponds to men. Workers are displaced in 2002-2012, and they are observed from 1997-2017.

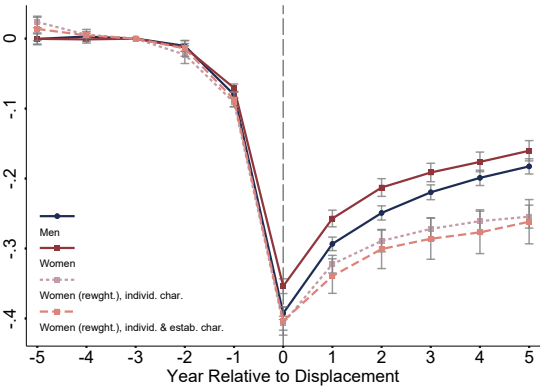
Figure D2: The Gender Gap in Earnings Losses after Displacement, Controlling for Pre-Displacement Job and Worker Characteristics



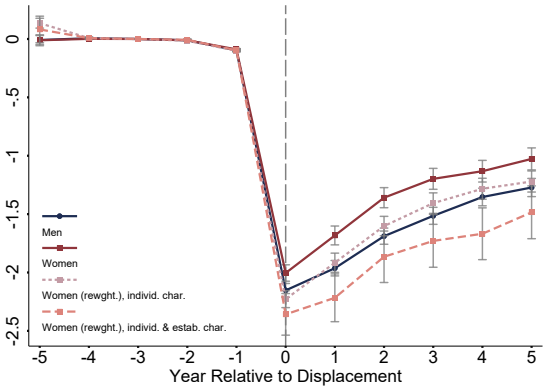
(a) Total Earnings



(b) Log Earnings



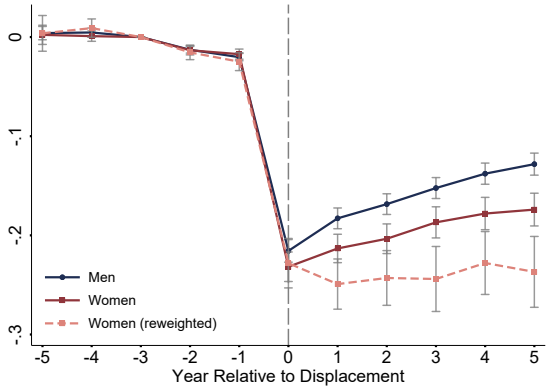
(c) Earnings Relative to t=c-2



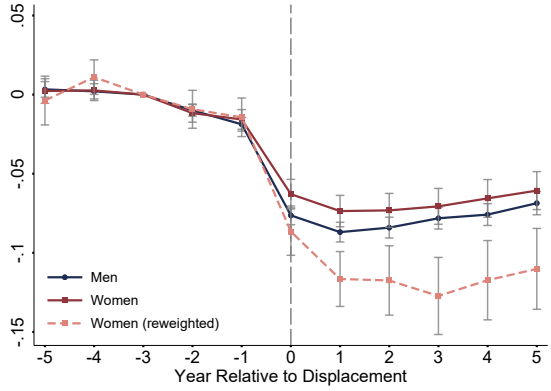
(d) Inverse Hyperbolic Sine Earnings

Notes: This figure shows how earnings losses from displacement differ for men and women. Combined sample of couples and non-couples. Panels (a)-(d) show eventstudy coefficients for total yearly earnings, log earnings, earnings relative to t=c-2, and inverse hyperbolic sine earnings. The four lines correspond to four event study regressions: Men only, women only, women reweighted with individual characteristics, and women reweighted with individual characteristics and establishment characteristics. All regressions include controls for person FE, year FE, years since separation, and age polynomials. Vertical bars indicate the estimated 95% confidence interval based on standard errors clustered at the individual level. Workers are displaced in 2002-2012, and they are observed from 1997-2017.

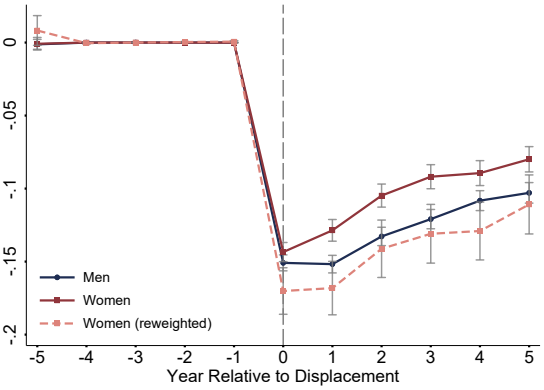
Figure D3: The Gender Gap in Wage and Employment Losses after Displacement



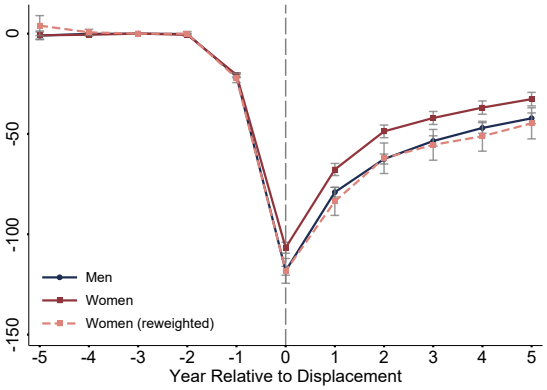
(a) Log Wage



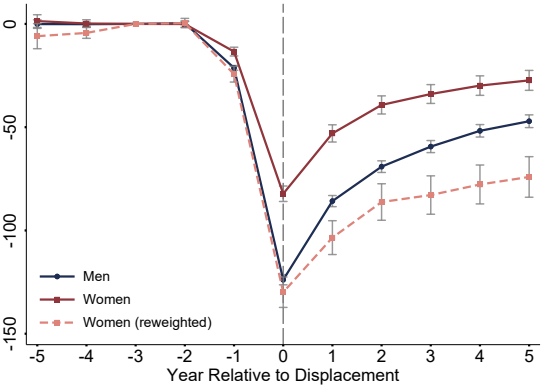
(b) Log Wage Fulltime



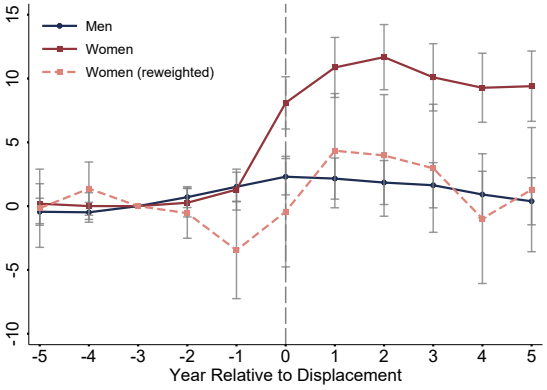
(c) Any Employment in Year



(d) Days Worked



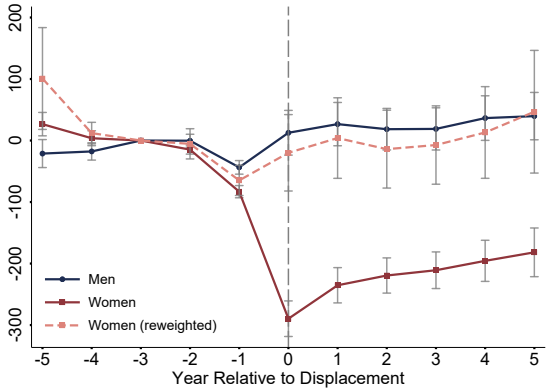
(e) Days Worked Fulltime



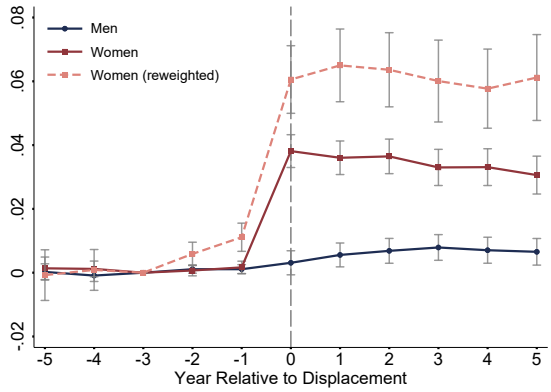
(f) Day Worked in Mini-job

Notes: This figure shows how labor market characteristics before and after displacement differ for men and women. Combined sample of couples and non-couples. Panels (a)-(f) show event study coefficients for log wage, log wage from fulltime job, employment, days worked, days worked in fulltime job, and days worked in minijob. The three lines correspond to three event study regressions: Men only, women only, and women reweighted with individual and establishment characteristics. All regressions include controls for person FE, year FE, years since separation, and age polynomials. Vertical bars indicate the estimated 95% confidence interval based on standard errors clustered at the individual level. Workers are displaced in 2002-2012, and they are observed from 1997-2017.

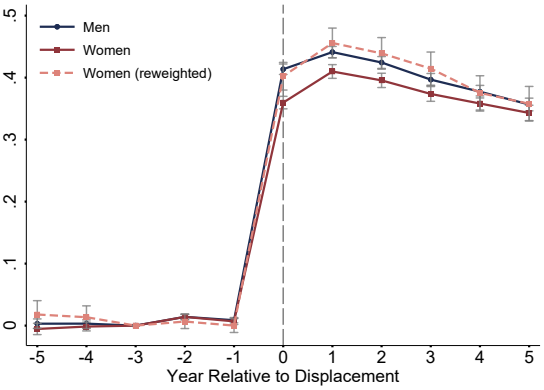
Figure D4: Changes in Job Characteristics after Displacement



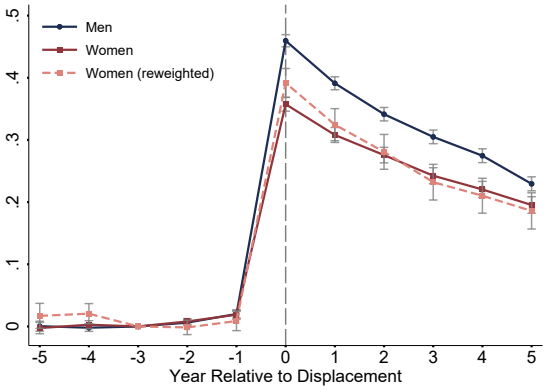
(a) Size of Establishment



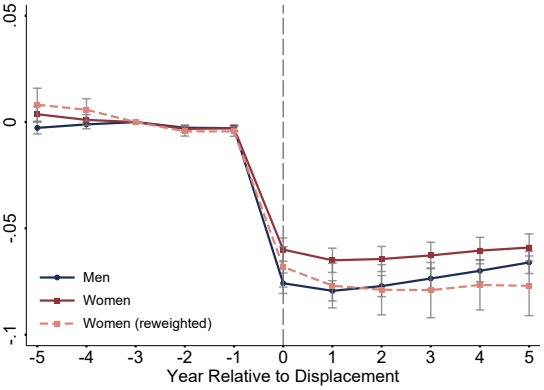
(b) Share of Females in Establishment



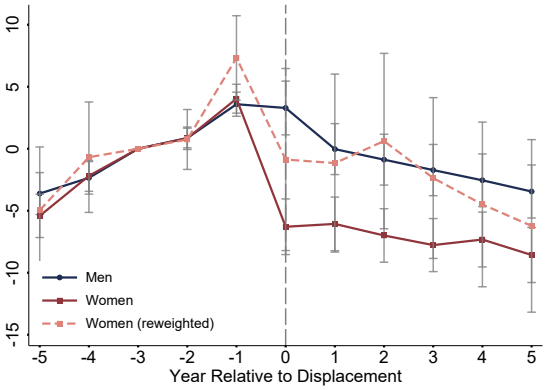
(c) Industry Different from Industry at t=c-1



(d) Occupation Different from Occupation at t=c-1



(e) Establishment Effect



(f) Commuting Distance

Notes: This figure shows how job characteristics for men and women evolve before and after displacement. Combined sample of couples and non-couples. Panels (a)-(f) show eventstudy coefficients for establishment size, share of female workers in establishment (leave-one-out mean), industry switches (2-digits), occupation switches (3-digits), AKM establishment effects, and commuting distance (in km). The three lines correspond to three event study regressions: Men only, women only, and women reweighted with individual and establishment characteristics. All regressions include controls for person FE, year FE, years since separation, and age polynomials. Vertical bars indicate the estimated 95% confidence interval based on standard errors clustered at the individual level. Commuting distance is measured on the municipality level, and is recorded on December 31 each year. Workers are displaced in 2002-2012, and they are observed from 1997-2017.