

Appendix B: Additional Plots and Tables

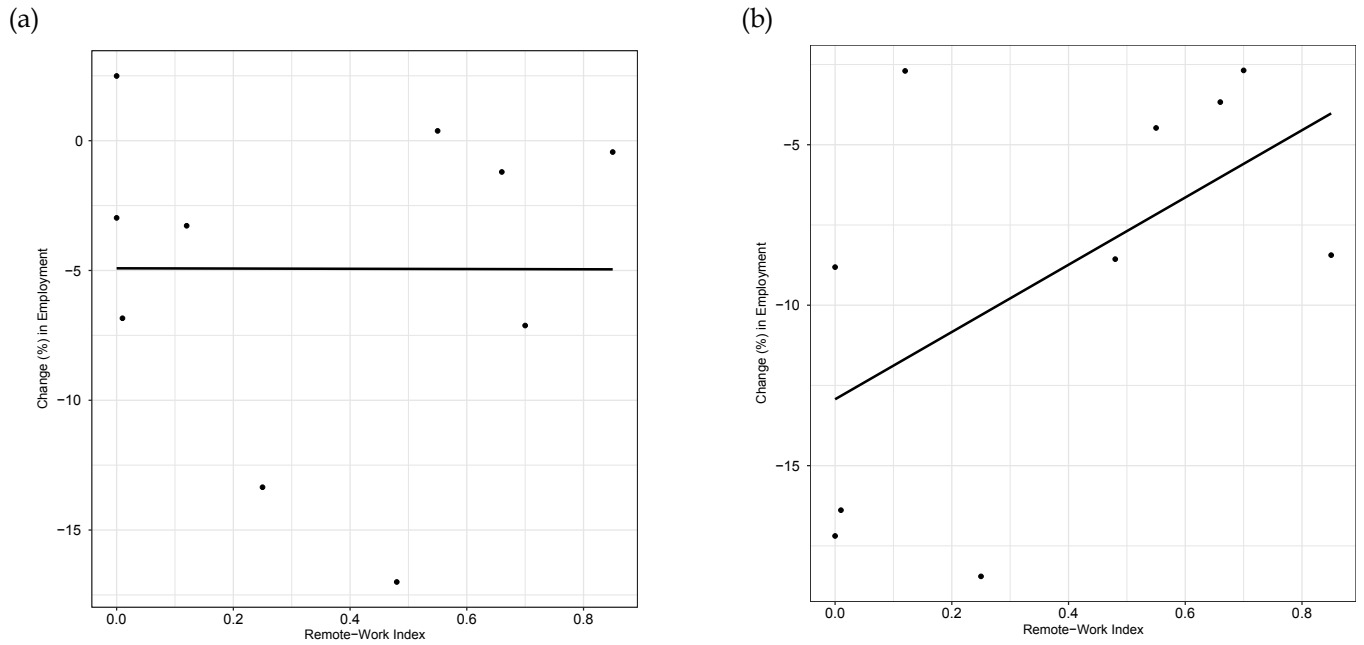


Figure B.1: Employment Dynamics and Remote Work Index (Ten NOC Broad Occupation Groups): (a) February–March 2020, % change and (b) March–April 2020, % change

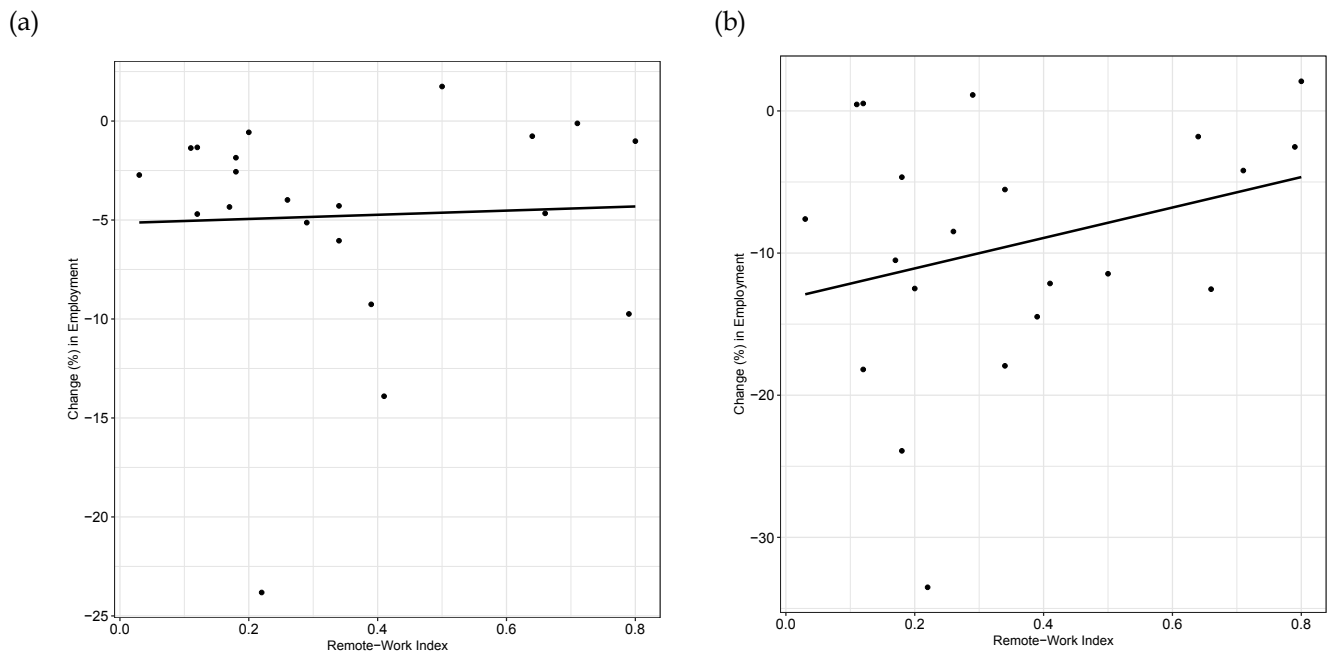


Figure B.2: Employment Dynamics and Remote Work Index (by Industry): (a) February–March 2020, % change and (b) March–April 2020, % change

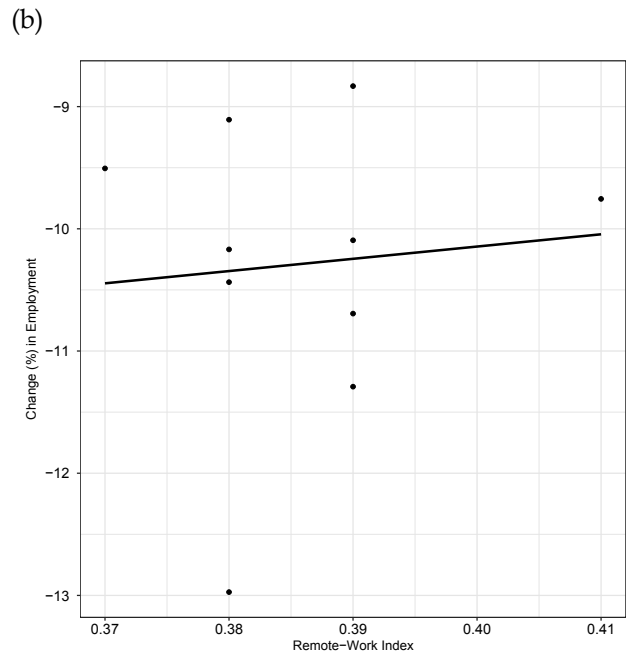
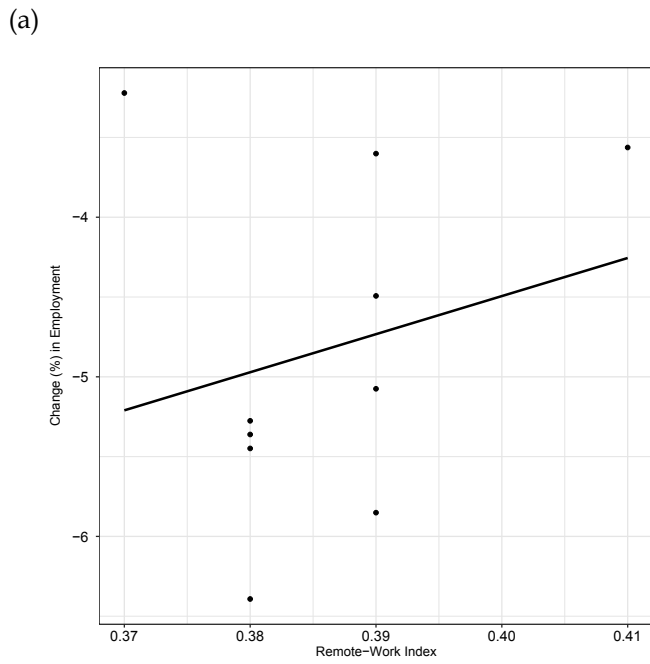


Figure B.3: Employment Dynamics and Remote Work Index (by Province): (a) February–March 2020, % change and (b) March–April 2020, % change

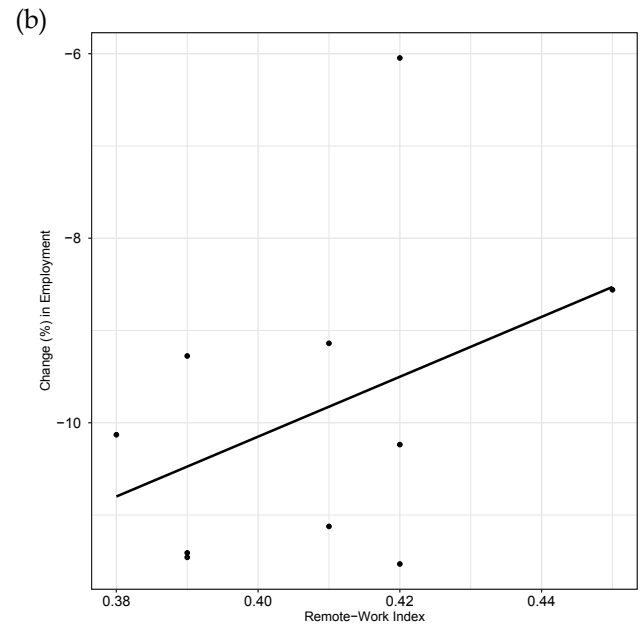
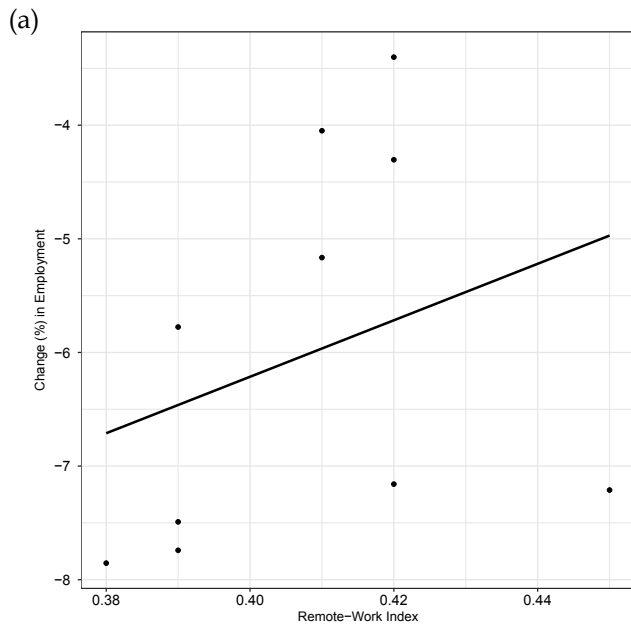


Figure B.4: Employment Dynamics and Remote Work Index (by City): (a) February–March 2020, % change and (b) March–April 2020, % change

Table B.1: Employment Change and Remote Work Index: (Benchmark Remote Work Index and Essential Service Dummy Variable)

Covariate	Monthly Percentage Change in Employment							
	$\Delta q_{j,Jan,Feb}$		$\Delta q_{j,Feb,Mar}$		$\Delta q_{j,Mar,Apr}$		$\Delta q_{j,Feb,Apr}$	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
S_j (Benchmark)	-0.118 (2.190)	-0.047 (2.231)	0.385 (2.984)	0.805 (2.976)	4.691 (3.590)	5.128 (3.601)	4.749 (4.905)	5.570 (4.846)
D_j		-0.508 (1.730)		-2.980 (2.308)		-3.105 (2.792)		-5.823 (3.758)
Constant	0.750 (1.123)	1.030 (1.484)	-4.865*** (1.529)	-3.222 (1.980)	-11.238*** (1.840)	-9.525*** (2.395)	-15.357*** (2.514)	-12.146*** (3.224)
No. of observations	40	40	40	40	40	40	40	40
R^2	0.0001	0.002	0.0004	0.044	0.043	0.074	0.024	0.084
Adjusted R^2	-0.026	-0.052	-0.026	-0.008	0.018	0.024	-0.002	0.034

Notes: $\Delta q_{j,t,\tau}$ is the percentage of change in employment between month t and τ in occupation j , S_j (Benchmark) is the remote work index, and D_j is the essential service dummy variable.

* $p < 0.1$; ** $p < 0.05$; *** $p < 0.01$.

Source: Authors' calculations.

Table B.2: Employment Change and Remote Work Index: (Alternative Remote Work Index and Essential Service Dummy Variable)

Covariate	Monthly Percentage Change in Employment							
	$\Delta q_{j,Jan,Feb}$		$\Delta q_{j,Feb,Mar}$		$\Delta q_{j,Mar,Apr}$		$\Delta q_{j,Feb,Apr}$	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
S_j (Alternative)	-0.393 (2.483)	-0.293 (2.539)	1.452 (3.377)	2.095 (3.374)	6.020 (4.045)	6.704 (4.063)	6.977 (5.515)	8.245 (5.449)
D_j		-0.483 (1.737)		-3.114 (2.308)		-3.317 (2.779)		-6.147 (3.727)
Constant	0.838 (1.166)	1.095 (1.499)	-5.211*** (1.586)	-3.554* (1.992)	-11.605*** (1.900)	-9.840*** (2.399)	-16.020*** (2.590)	-12.749*** (3.217)
No. of observations	40	40	40	40	40	40	40	40
R^2	0.001	0.003	0.005	0.052	0.055	0.090	0.040	0.106
Adjusted R^2	-0.026	-0.051	-0.021	0.0002	0.030	0.041	0.015	0.058

Notes: $\Delta q_{j,t,\tau}$ is the percentage of change in employment between month t and τ in occupation j , S_j (Alternative) is the remote work index, and D_j is the essential service dummy variable.

* $p < 0.1$; ** $p < 0.05$; *** $p < 0.01$.

Source: Authors' calculations.

Table B.3: Employment Change and Remote Work Index: Two-Digit level (Benchmark Remote Work Index and Essential Service Index)

Covariate	Monthly Percentage Change in Employment							
	$\Delta q_{j,Jan,Feb}$		$\Delta q_{j,Feb,Mar}$		$\Delta q_{j,Mar,Apr}$		$\Delta q_{j,Feb,Apr}$	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
S_j (Benchmark)	-0.118 (2.190)	-0.138 (2.221)	0.385 (2.984)	0.442 (3.021)	4.691 (3.590)	4.971 (3.498)	4.749 (4.905)	5.061 (4.847)
ES_j		-0.569 (2.873)		1.617 (3.907)		7.984* (4.525)		8.882 (6.269)
Constant	0.750 (1.123)	0.902 (1.373)	-4.865*** (1.529)	-5.298*** (1.867)	-11.238*** (1.840)	-13.374*** (2.162)	-15.357*** (2.514)	-17.734*** (2.995)
No. of observations	40	40	40	40	40	40	40	40
R^2	0.0001	0.001	0.0004	0.005	0.043	0.117	0.024	0.074
Adjusted R^2	-0.026	-0.053	-0.026	-0.049	0.018	0.070	-0.002	0.024

Notes: $\Delta q_{j,t,\tau}$ is the percentage of change in employment between month t and τ in occupation j , S_j (Benchmark) is the remote work index, and ES_j is the essential service variable.

* $p < 0.1$; ** $p < 0.05$; *** $p < 0.01$.

Source: Authors' calculations.

Table B.4: Employment Change and Remote Work Index: Two-Digit level (Alternative Remote Work Index and Essential Service Index)

Covariate	Monthly Percentage Change in Employment							
	$\Delta q_{j,Jan,Feb}$		$\Delta q_{j,Feb,Mar}$		$\Delta q_{j,Mar,Apr}$		$\Delta q_{j,Feb,Apr}$	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
S_j (Alternative)	-0.393 (2.483)	-0.439 (2.524)	1.452 (3.377)	1.586 (3.426)	6.020 (4.045)	6.659* (3.935)	6.977 (5.515)	7.693 (5.447)
ES_j		-0.605 (2.880)		1.749 (3.908)		8.355* (4.489)		9.351 (6.213)
Constant	0.838 (1.166)	1.008 (1.431)	-5.211*** (1.586)	-5.702*** (1.942)	-11.605*** (1.900)	-13.951*** (2.231)	-16.020*** (2.590)	-18.645*** (3.088)
No. of observations	40	40	40	40	40	40	40	40
R^2	0.0001	0.002	0.005	0.0010	0.055	0.136	0.040	0.096
Adjusted R^2	-0.026	-0.052	-0.021	-0.043	0.030	0.089	0.015	0.047

Notes: $\Delta q_{j,t,\tau}$ is the percentage of change in employment between month t and τ in occupation j , S_j (Alternative) is the remote work index, and ES_j is the essential service variable.

* $p < 0.1$; ** $p < 0.05$; *** $p < 0.01$.

Source: Authors' calculations.

Table B.5: Employment Change and Remote Work Index: Ten-Occupation Group

Covariate	Monthly Percentage Change in Employment							
	Benchmark Remote Work Index				Alternative Remote Work Index			
	$\Delta q_{j,Jan,Feb}$		$\Delta q_{j,Feb,Mar}$		$\Delta q_{j,Mar,Apr}$		$\Delta q_{j,Feb,Apr}$	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
S_j (Benchmark)	-0.575 (1.072)	-0.047 (6.785)	10.480* (5.576)	9.871 (9.537)				
S_j (Alternative)					-0.531 (1.299)	-0.380 (8.165)	12.983* (6.623)	11.961 (11.468)
Constant	0.852 (0.509)	-4.916 (3.224)	-12.931*** (2.650)	-17.077*** (4.532)	0.801 (0.508)	-4.821 (3.194)	-12.981*** (2.591)	-17.044*** (4.486)
No. of observations	10	10	10	10	10	10	10	10
R^2	0.035	0.00001	0.306	0.118	0.020	0.0003	0.324	0.120
Adjusted R^2	-0.086	-0.125	0.220	0.008	-0.102	-0.125	0.240	0.010

Notes: $\Delta q_{j,t,\tau}$ is the percentage of change in employment between month t and τ in occupation j , S_j (Benchmark) is the remote work index, and S_j (Alternative) is the alternative remote work index.

* $p < 0.1$; ** $p < 0.05$; *** $p < 0.01$.

Source: Authors' calculations.

Table B.6: Employment Change and Remote Work Index: Industry

Covariate	Monthly Percentage Change in Employment							
	Benchmark Remote Work Index				Alternative Remote Work Index			
	$\Delta q_{j,Jan,Feb}$		$\Delta q_{j,Feb,Mar}$		$\Delta q_{j,Mar,Apr}$		$\Delta q_{j,Feb,Apr}$	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
S_j (Benchmark)	0.194 (3.447)	1.050 (5.459)	10.708 (8.269)	10.819 (10.693)				
S_j (Alternative)					0.449 (3.892)	0.980 (6.167)	13.626 (9.227)	13.476 (12.007)
Constant	0.520 (1.464)	-5.156** (2.319)	-13.221*** (3.513)	-17.334*** (4.543)	0.458 (1.391)	-5.069** (2.204)	-13.395*** (3.298)	-17.424*** (4.292)
No. of observations	21	21	21	21	21	21	21	21
R^2	0.0002	0.002	0.081	0.051	0.001	0.001	0.103	0.062
Adjusted R^2	-0.052	-0.051	0.033	0.001	-0.052	-0.051	0.056	0.013

Notes: $\Delta q_{j,t,\tau}$ is the percentage of change in employment between month t and τ in occupation j , S_j (Benchmark) is the remote work index, and S_j (Alternative) is the alternative remote work index.

* $p < 0.1$; ** $p < 0.05$; *** $p < 0.01$.

Source: Authors' calculations.

Table B.7: Employment Change and Remote Work Index: Province

Covariate	Monthly Percentage Change in Employment							
	Benchmark Remote Work Index				Alternative Remote Work Index			
	$\Delta q_{j,Jan,Feb}$		$\Delta q_{j,Feb,Mar}$		$\Delta q_{j,Mar,Apr}$		$\Delta q_{j,Feb,Apr}$	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
S_j (Benchmark)	10.702 (13.302)	23.865 (34.021)	10.031 (39.161)	30.608 (53.524)				
S_j (Alternative)					10.141 (12.310)	30.652 (30.636)	0.307 (36.454)	27.365 (49.693)
Constant	-3.617 (5.136)	-14.040 (13.137)	-14.157 (15.121)	-26.429 (20.668)	-3.208 (4.520)	-16.078 (11.248)	-10.398 (13.385)	-24.657 (18.246)
No. of observations	10	10	10	10	10	10	10	10
R^2	0.075	0.058	0.008	0.039	0.078	0.111	0.00001	0.037
Adjusted R^2	-0.041	-0.060	-0.116	-0.081	-0.037	0.0001	-0.125	-0.084

Notes: $\Delta q_{j,t,\tau}$ is the percentage of change in employment between month t and τ in occupation j , S_j (Benchmark) is the remote work index, and S_j (Alternative) is the alternative remote work index.

* $p < 0.1$; ** $p < 0.05$; *** $p < 0.01$.

Source: Authors' calculations.

Table B.8: Employment Change and Remote Work Index: City

Covariate	Monthly Percentage Change in Employment							
	Benchmark Remote Work Index				Alternative Remote Work Index			
	$\Delta q_{j,Jan,Feb}$		$\Delta q_{j,Feb,Mar}$		$\Delta q_{j,Mar,Apr}$		$\Delta q_{j,Feb,Apr}$	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
S_j (Benchmark)	-29.047*** (11.160)	24.853 (27.084)	32.446 (26.637)	52.676 (39.758)				
S_j (Alternative)					-29.734*** (13.062)	31.443 (29.451)	33.223 (29.834)	59.388 (43.761)
Constant	12.484*** (4.559)	-16.155 (11.063)	-23.129* (10.881)	-36.793* (16.241)	12.110** (5.048)	-18.152 (11.380)	-22.715* (11.528)	-38.225* (16.910)
No. of observations	10	10	10	10	10	10	10	10
R^2	0.459	0.095	0.156	0.180	0.393	0.125	0.134	0.187
Adjusted R^2	0.391	-0.018	0.051	0.077	0.317	0.015	0.026	0.086

Notes: $\Delta q_{j,t,\tau}$ is the percentage of change in employment between month t and τ in occupation j , S_j (Benchmark) is the remote work index, and S_j (Alternative) is the alternative remote work index.

* $p < 0.1$; ** $p < 0.05$; *** $p < 0.01$.

Source: Authors' calculations.