Replication Files for "Bombs, Brains, and Science – The Role of Human and Physical Capital for the Creation of Scientific Knowledge" by Fabian Waldinger

Review of Economics and Statistics

Description of Data Files:

File	*Contains data to replicate results reported in:*
Data Main Results	Tables 3, 4, 5, 6 (columns 4-10), 7, A4, A5 (columns 4-10), A6, A7, A8, A9, A10
Data Germany1990	Tables 6 (column 1) and A5 (column 1)
Data GermanyWest Austria	Tables 6 (column 2) and A5 (column 2)
Data GermanyWest Austria Switzerland	Tables 6 (column 3) and A5 (column 3)
Data Hiring	Table 8, A11

Description of Variables:

In Files: "Data Main Results", "Data Germany1990", "Data GermanyWest Austria", "Data GermanyWest Austria Switzerland":

Variable	**Description**
year	year
uni	university identifier
depsize	department size
subject	subject of department
sample_ger1990	indicator for sample containing Germany in borders of 1990
sample_aus	indicator for sample containing Austria
sample_gerwest	indicator for sample containing West Germany
sample_swi	indicator for sample containing Switzerland
zone_uk	indicator for being in UK occupation zone after 1945
zone_ussr	indicator for being in Soviet occupation zone after 1945
zone_fra	indicator for being in French occupation zone after 1945
bula4BA_post45	Indicator for Federal State Bavaria * Post 1945 Indicator
bula4BW_post45	Indicator for Federal State Baden Wuerttemberg * Post 1945 Indicator
bula4HE_post45	Indicator for Federal State Hesse* Post 1945 Indicator
bula4NI_post45	Indicator for Federal State Lower Saxony* Post 1945 Indicator
bula4NRW_post45	Indicator for Federal State North Rhine Westfalia* Post 1945 Indicator
bula4OE_post45	Indicator for Austria * Post 1945 Indicator
bula4OST_post45	Indicator for East Germany * Post 1945 Indicator
uniage	age of the university in year
uniage2	age of the university in year - squared
closeuni_50	number of universities within 50km
sh33_firms_ind5_19xx	share of firms in iron and steel production interacted with indicator for year 19*XX*
sh33_firms_ind8_19xx	share of firms in mechanical engineering and vehicle production interacted with indicator for year 19*XX*

sh33_firms_ind11_19xx	share of firms in chemical production interacted with indicator for year 19*XX*
dist_border_post45	distance to iron curtain interacted with a post 1945 indicator
fractjew_post33	fraction of jews at the city level interacted with a post 1933 indicator
subject_chem_yeard19xx	indicator for chemistry department interacted with indicator for year 19*xx*
subject_phys_yeard19xx	indicator for physics department interacted with indicator for year 19*xx*
yeard19*xx*	indicator for year = 19*xx*
num_dis3340_19*xx*	number of dismissals (between 1933 and 1940) in department interacted with an indicator for year = 19*xx*
num_dis3334_19*xx*	number of dismissals (between 1933 and 1934) in department interacted with an indicator for year = 19*xx*
perc10_dis3340_19*xx*	percent dismissals (between 1933 and 1940) in department interacted with indicator for year==19*xx*
num_dis3340_citn_t5_19xx	number of dismissed (1933-1940) in top *x*th percentile (measured by cit. weight. pubs.) interacted with indicator for year = 19*xx*
dest_sub_19*xx*	destruction of department in percent interacted with an indicator for year = 19*xx*
dest_uni_19*xx*	destruction of university in percent interacted with an indicator for year = 19*xx*
dest_cit_19*xx*	destruction of city in percent interacted with an indicator for year = 19*xx*
dest_sci_19*xx*	average destruction of science departments in percent interacted with an indicator for year = 19*xx*
department	department identifier
depd*x*	department dummy
unid1_post45	university identifier interacted with a post-1945 dummy
pubn_avg5alt_tot	total publications in department (averaged for 5 years around year t), normalized to have 0 mean and std of 1 within subject
citn_avg5alt_tot	total citations weighted publications in department (averaged for 5 years around year t), normalized
resid_pubn_avg5alt_tot	total publications in department (averaged for 5 years around year t), adjusted for age structure, normalized
resid_citn_avg5alt_tot	total citations weighted publications in department (averaged for 5 years around year t), adjusted for age structure, normalized
pubn_avg5alt_tot_1926_yearsince	total publications in 1926 (normalized) interacted with a variable counting years since 1926
citn_avg5alt_tot_1926_yearsince	total citation weighted publications (normalized) in 1926 interacted with a variable counting years since 1926

In File: "Data Hiring" some of the variables listed above plus in addition:

Variable	**Description**
newhire_qual_career_avg_norm	quality of hires (measured by career citation-weighted publications) in department
newhire_qual_avgmiddle5	quality of hires (measured by citation-weighted publications in years *t-7* to *t-3*) in department
num_dis3340_citn_t*xx*_yng_19*xx*	number of dismissed (1933-1940) of below median age in top *x*th percentile (measured by cit. weight. pubs.) interacted with indicator for year = 19*xx*
num_dis3340_citn_t*xx*_old_19*xx*	number of dismissed (1933-1940) of above median age in top *x*th percentile (measured by cit. weight. pubs.) interacted with indicator for year = 19*xx*

Description of Data Sources:

A detailed description of data sources can be found in the online appendix of the paper.