Codebook:

Pandemics and Political Development: The Electoral Legacy of the Black Death in Germany

***World Politics*, Vol. 73, No. 3 (July 2021)**

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Part 4: Early Nineteenth-Century Prussia

Variables and Sources:

Variable	Label	Source
Kreiskey1800: Numerical Indicator Reflecting Artificial Aggregate Geographic Units Created to Compare Prussian Counties Across Different Time Periods	kreiskey1800	Becker et al. (2014)
Kreiskey1871: Numerical Indicator Reflecting Actual Prussian Counties in 1871	kreiskey1871	Becker et al. (2014)
Total Number of Farms with a Size of more than 300 Prussian Morgen (Large Estates) (1816)	land1816_far_ext_ov300	Becker et al. (2014)
Total Number of Farms with a Size between 15 and 300 Prussian Morgen (1816)	land1816_far_ext_15to30	Becker et al. (2014)
Total Number of Farms with a Size of less than 15 Prussian Morgen (1816)	land1816_far_ext_un15	Becker et al. (2014)
Total Population (1816)	pop1816_tot	Becker et al. (2014)
Total Number of Male Agricultural Servants (1819)	occ1819_servant_m_farm	Becker et al. (2014)
Total Number of Female Agricultural Servants (1819)	occ1819_servant_f_farm	Becker et al. (2014)

Proportion of Large Estates (Farms with more than 300 Prussian Morgen) (1816)	prop_large_farms	See the replication file, based on Becker et al. (2014)
Proportion of Agricultural Servants (of Total Population) (1816/1819)	prop_servants_farm	See the replication file, based on Becker et al. (2014)
Prussian County (1871) (Centroid)	Lat	Assigned in ArcGIS based on data provided by the ifo Institute / iPEHD (Becker et al., 2014)
Prussian County (1871) (Centroid)	Long	Assigned in ArcGIS based on data provided by the ifo Institute / iPEHD (Becker et al., 2014)
Distance to the Nearest Medieval Trade City (in km) (from Geographic Unit)	dist_tradecity_km	Computed in ArcGIS based on Hribar (2016)
Distance to the Ocean (North Sea or Baltic Sea) (in km) (from Geographic Unit)	dist_ocean_km	Computed in ArcGIS
Distance to the Nearest Large River (in km) (from Geographic Unit)	dist_river_km	Computed in ArcGIS based on European Environment Agency (2020)
Distance to the Nearest Major Port (in km) (from Geographic Unit)	dist_majport_km	Computed in ArcGIS
Elevation	elevation	Computed in R using the package “geonames” (function *GNgtopo30*); GeoNames (2020)
Urban Density (1300) (Standardized)	urban_density_norm	Computed in R based on data by Wahl (2019)
BDEI Score v1	BDEI_score	See the replication file, using data by Jedwab et al. (2019)
BDEI Score v2	BDEI_score2	See the replication file, using data by Jedwab et al. (2019)
BDEI Score v3	BDEI_score3	See the replication file, using data by Jedwab et al. (2019)
BDEI Score v4	BDEI_score4	See the replication file, using data by Jedwab et al. (2019)
BDEI Score v5	BDEI_score5	See the replication file, using data by Jedwab et al. (2019)

City Name (of Cities with Recorded Black Death Outbreaks) (in *BD Outbreaks Data*)	city_jjk	Jedwab et al. (2019)
Country/Region Name (in *BD Outbreaks Data*)	countryname	Jedwab et al. (2019)
Longitude (in *BD Outbreaks Data*)	longitude	Jedwab et al. (2019)
Latitude (in *BD Outbreaks Data*)	latitude	Jedwab et al. (2019)
Population before the Black Death (in *BD Outbreaks Data*)	preplaguepop	Jedwab et al. (2019)
First Month with a Recorded Black Death Case (in *BD Outbreaks Data*)	start_month	Jedwab et al. (2019)
First Year with a Recorded Black Death Case (in *BD Outbreaks Data*)	start_year	Jedwab et al. (2019)
Percent of Local Population Lost Due to the Black Death Pandemic (in *BD Outbreaks Data*)	mortality	Jedwab et al. (2019)
Intensity of the Black Death / Proportion of Local Population Lost Due to the Black Death Pandemic (in *BD Outbreaks Data*)	int	Derived from variable "mortality"

Software:

The following software is required to run the replication files:

R, including the following packages:

a. geosphere
b. AER

References:

Becker, Sascha O. et al. (2014). "iPEHD—the ifo Prussian Economic History Database". In: *Historical Methods: A Journal of Quantitative and Interdisciplinary History* 47.2, pp. 57–66. doi: 10.1080/01615440.2013.852370.

European Environment Agency (2020). *WISE Large Rivers and Large Lakes*. https://www.eea.europa.eu/data-and-maps/data/wise-large-rivers-and-large-lakes, accessed March 21, 2021.

GeoNames (2020). *GeoNames Geographical Database*. http://www.geonames.org/, accessed March 22, 2021.

Hribar, Georgeanne (2016). *Medieval European Trade Cities*. https://www.arcgis.com/home/item.html?id=6e1f6f76cd57498185cd7c0c3ee608eb, accessed April 4, 2021.

Jedwab, Remi, Noel D. Johnson, and Mark Koyama (2019). "Negative Shocks and Mass Persecutions: Evidence from the Black Death". In: *Journal of Economic Growth* 24.4, pp. 345–395. doi: 10.1007/s10887-019-09167-1.

Wahl, Fabian (2019). "Political Participation and Economic Development. Evidence from the Rise of Participative Political Institutions in the Late Medieval German Lands". In: *European Review of Economic History* 23.2, pp. 193–213. doi: 10.1093/ereh/hey009.