

A Data

Table A1 reports all sources of the data we digitized from various sources. All data is available at <https://almlgr.github.io/>. The quality of the pdf files available for those sources is sometimes quite poor, so mistakes are possible while digitizing by hand. We made all efforts to double check our data. The column "Volume" in Table A1 refers to the Volume number of the Census of Manufactures, and to the Chapters of the Statistical Abstracts. Average Employment refers to the columns titled "Average number of Wage earners" in the source tables while Total Output corresponds to "Value of Products".

We obtained the additional data needed to construct the controls used in the Difference-in-Differences specifications from *Social Explorer*. In particular, we downloaded the 1910 state agricultural employment and total employment, as well as state total and urban populations.

A.1 Manufacturing data

For the earlier years 1899, 1904, 1909, and 1914 we obtain the manufacturing data from the 1910 and 1920 editions of the Census of Manufactures as reported in table A1. It is important to note that data on manufacturing employment and output by city before 1899 is not available in a directly comparable form. Page 11 of the Introduction of [6] contains a discussion of the changes to the canvassing of establishments made after 1899. In particular, the Census reduced the scope of its definition of "Factory Industry" starting from the 1904 Census of Manufactures. Fortunately the Census backward adjusted its data by city for 1899 to the 1904 criteria in order for the 1899 data to be comparable to future editions, as discussed on page 11 of [6]. Editions of the Census of Manufactures published before 1904 included in "Manufactures" data several additional categories of businesses, including some which are more alike to services than manufacturing. For instance, they included establishments serving individual clients (e.g. custom-tailoring, dress-making), neighborhood industries (e.g. blacksmithing and harness making), building sites, and retails sites incidentally manufacturing small quantities. For this reason, the city-level data in the 1900 Census of Manufactures [5] contains substantially larger values for both total output and employment compared to the backward adjusted 1899 data from the 1910 Census of Manufactures [6]. We therefore chose 1899 as the initial year for our sample.

Table A1: Data sources

Data Category	Field	Stata Variable	Year	Source	Volume	Table	Pages
Manufacturing	Average Employment	CityManuEmp	1899	[6]	8	5	92-115
Manufacturing	Total Output	CityManuOutput	1899	[6]	8	5	92-115
Manufacturing	Average Employment	CityManuEmp	1904	[6]	8	5	92-115
Manufacturing	Total Output	CityManuOutput	1904	[6]	8	5	92-115
Manufacturing	Average Employment	CityManuEmp	1909	[6]	8	5	92-115
Manufacturing	Total Output	CityManuOutput	1909	[6]	8	5	92-115
Manufacturing	Average Employment	CityManuEmp	1914	[8]	8	50	224-238
Manufacturing	Total Output	CityManuOutput	1914	[8]	8	50	224-238
Manufacturing	Average Employment	CityManuEmp	1919	[8]	8	50	224-238
Manufacturing	Total Output	CityManuOutput	1919	[8]	8	50	224-238
Manufacturing	Average Employment	CityManuEmp	1921	[3]	9	692	754-755
Manufacturing	Total Output	CityManuOutput	1921	[3]	9	692	754-755
Manufacturing	Average Employment	CityManuEmp	1923	[3]	9	692	754-755
Manufacturing	Total Output	CityManuOutput	1923	[3]	9	692	754-755
Manufacturing	Average Employment	CityManuEmp	1925	[4]	11	799	820-821
Manufacturing	Total Output	CityManuOutput	1925	[4]	11	799	820-821
Manufacturing	Average Employment	CityManuEmp	1927	[4]	11	799	820-821
Manufacturing	Total Output	CityManuOutput	1927	[4]	11	799	820-821
Population	Total Population	CityPop1910	1910	[7]		5	14-26
Population	Estimated Population	CityPop1917	1917	[7]		5	14-26
Pandemic	Days of NPI	DaysofNPI	1918	[2]		1	657
Pandemic	Speed of NPI	SpeedofNPI	1918	[2]		1	657
Pandemic	Pneumonia and Influenza Mortality	Mortality1917	1917	[9]		AF	45-46
Pandemic	Pneumonia and Influenza Mortality	Mortality1918	1918	[9]		AF	45-46
Demographics	Per Capita Income	State_personalIncomeLindert1910	1910	[1]	Appendix G	G-3	386

References

- [1] Peter H. Lindert. *Fertility and Scarcity in America*. Princeton University Press, 1978.
- [2] Howard Markel, Harvey B. Lipman, J. Alexander Navarro, Alexandra Sloan, Joseph R. Michalsen, Alexandra Minna Stern, and Martin S. Cetron. Nonpharmaceutical Interventions Implemented by US Cities During the 1918-1919 Influenza Pandemic. *JAMA*, 298(6):644–654, 08 2007. ISSN 0098-7484. doi: 10.1001/jama.298.6.644. URL <https://doi.org/10.1001/jama.298.6.644>.
- [3] Bureau of Foreign and Domestic Commerce. *Statistical Abstract of the United States: 1924*, volume 47. United States Government Printing Office, Washington, 1925. URL <https://www.census.gov/library/publications/1925/compendia/statab/47ed.html>.
- [4] Bureau of Foreign and Domestic Commerce. *Statistical Abstract of the United States: 1929*, volume 51. United States Government Printing Office, Washington, 1929. URL <https://www.census.gov/library/publications/1929/compendia/statab/51ed.html>.
- [5] Bureau of the Census. *1900 Census: Volume VIII. Manufactures, Part 2. States and Territories*. Twelfth Census of the United States Taken in the Year 1900. Norman Ross Publishing, 1902. URL <https://www.census.gov/library/publications/1902/dec/vol-08-manufactures.html>.
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- [7] Bureau of the Census. *Bulletin 138: Estimates of Population of the United States, 1910 to 1917*. United States Government Printing Office, Washington, 1918. URL <https://www2.census.gov/library/publications/decennial/1910/bulletins/demographics/138-estimates-of-population-of-us-1910-1917.pdf>.
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