

References

Category	Author/Organization	Description	Year	URL/Access	Notes	Citation
Population Density (e.g. 1990)	University of Minnesota, Minnesota Population Center.	Historic County Boundaries and Total Population: United States, 1800-1990 (NHGIS)	2006	https://hgl.harvard.edu/catalog/harvard-nhgis-pop1990	Contains extensive notes on Data limitations	University of Minnesota. Minnesota Population Center. (2006) Historic County Boundaries and Total Population, United States, 1900. [Shapefile]. Minnesota Population Center. Retrieved from https://hgl.harvard.edu/catalog/harvard-nhgis-pop1990
Foreign Born Data, Population Density, Immigration Data	IPUMS NHGIS, University of Minnesota	IPUMS NHGIS Datasets	-	https://www.nhgis.org	Comprehensive historical census data. Contains Extensive notes on Data limitations. Specific datasets used and summaries of limitations are included in Roots&Migrants.	IPUMS NHGIS, University of Minnesota, www.nhgis.org
Territorial Boundaries	Cartography Vectors	Map Overlays	-		Website no longer exists	
Trails	National Park Service	Historic Trails GIS Data	-	National Park Service Historic Trails	Multiple historic trail routes	
Transportation	Jeremy Atack (Vanderbilt University)	Historical GIS database of Nineteenth Century U.S. Canals	August 2015	-	Erie Canal data	Jeremy Atack, "Historical Geographic Information Systems (GIS) database of Nineteenth Century U.S. Canals." (August 2015) Digitized and assembled by Jeremy Atack, Professor Emeritus and Research Professor of Economics at Vanderbilt University, Nashville TN and Research Associate with the National Bureau of Economic Research, Cambridge, MA
Transportation	Jeremy Atack (Vanderbilt University)	Historical GIS database of U.S. Railroads 1830-1920	May 2016 (revised 2023)	-	Field: 'InOpBy' for operational dates	Jeremy Atack, "Historical Geographic Information Systems (GIS) database of U.S. Railroads for 1830-1920 based on value of .dbf field "InOpBy"" (May 2016; revised 2023)
Treaties/Cessions	National Atlas of the United States	Treaties and Cessions Database	-	Nacho Heritage Alliance	Land cession documentation (Mexican Cession)	
Indigenous Territories	Native Land Digital	Native Lands Mapping Database	-	https://native-land.ca/	Collaborative indigenous territory mapping	