

Final Project Proposal

DATA 621: Business Analytics and Data Mining

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1 Data Set

The data sets we plan to use originate from United States federal government agencies. The core data comes from the U.S. Department of Health & Human Services Centers for Disease Control and Prevention (HHS, 2016). Related population and economic data sets will come from the U.S. Census Bureau and the U.S. Bureau of Labor Statistics.

1.1 Natality Data

Separate data sets the years 2003-2006, and 2007-2014 were downloaded from the CDC website (HHS, 2009), (HHS, 2016).

Year
Month
Age of Mother
Marital Status
Education
Births

1.2 Census Data

TBD: Data set descriptions

1.3 Unemployment Data

TBD: Data set descriptions

2 Recent Journal Papers

TBD

2.1 Low Fertility at the Turn of the Twenty-First Century

The Annual Review of Sociology included a paper by S. Philip Morgan and Miles G. Taylor regarding recent fertility trends, specifically a shift to lower birth rates as compared to the second half of the twentieth century (Morgan and Miles, 2006).

3 Problem Statement & Research Questions

TBD

4 Statement of Objectives

TBD

5 References

HHS. Natality public-use data 2003-2006 on CDC WONDER Online Database. Mar. 2009. URL: <http://wonder.cdc.gov/natality-v2006.html>.

— Natality public-use data 2007-2014 on CDC WONDER Online Database. Feb. 2016. URL: <http://wonder.cdc.gov/natality-current.html>.

Morgan, S. P. and G. T. Miles. Low Fertility at the Turn of the Twenty-First Century. Aug. 2006. URL: <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2849172/>.