

Natality Models

DATA 621: Business Analytics and Data Mining

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1 Abstract

2 Keywords

3 Literature Review

4 Methodology

4.1 Data Preparation

4.1.1 Census Data

For the period of May 2010 - Decemeber 2015, the Census Bureau's census data was available as monthly population estimates broken down by age and gender (Census Bureau, 2015). For the period of 2000 - April 2010, monthly population esimates were only available for the total population (Census Bureau, 2010). We used annual age and gender estimates from the Census Bureau the 2000 - 2010 time period, converted to ratio's, to divide the monthly total population into age and gender bins.

5 Results

6 Summary

7 Appendix: Supplemental Tables & Figures

8 Appendix: Raw Code

9 References

Census Bureau. Monthly Postcensal Resident Population, by single year of age, sex, race, and Hispanic origin. Accessed: April 24, 2016. 2015. URL: <http://www.census.gov/popest/data/national/asrh/2014/2014-nat-res.html>.

— National Intercensal Estimates (2000-2010). Accessed: April 24, 2016. 2010. URL: <http://www.census.gov/popest/data/intercensal/>