

Loans & Birth/Death Rate Data Warehouse Proposal

Finding the Correlation Between Loans and Birth/Death Rate

Group Members

Victor Ou victor102496@gmail.com

Haonan Ou hn737433241@gmail.com

Soohun Han hsh804@gmail.com

CIS4400 – CMWA

Project Description

Our intended project revolves around the effects loans may have on birth rates and mortality rate in New York. The economic environment over the past decade has forced many individuals and families to take out loans to either make ends meet or to invest in different opportunities. By analyzing annual birth rates with respect to continuous loan data, we hope to find trends that may help to paint an interesting narrative. In regards to the mortality rate, we want to specifically focus on deaths that occur in an unnatural manner, such as deaths relating to firearms, alcohol, and suicides. These unnatural occurrences, while morbid, may provide an insight on the effects loans can have on an individual's mental health.

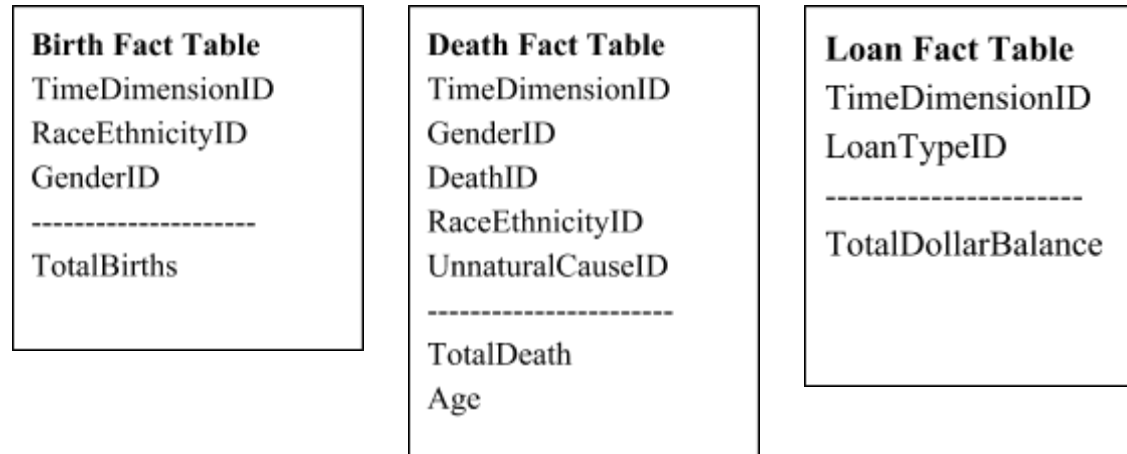
Information Needs

Dataset source containing information on birth rates by age/race/gender spanning over years

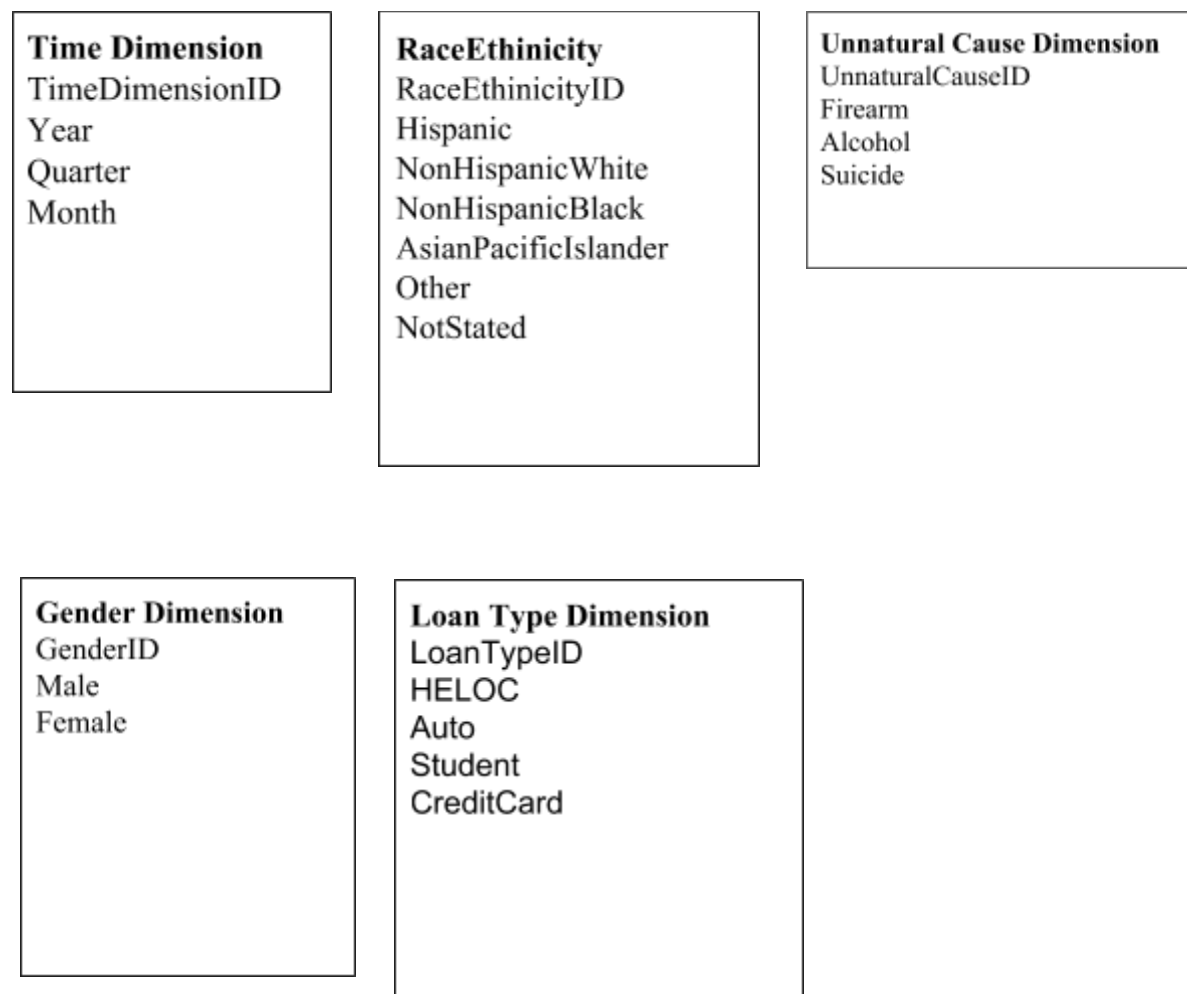
Dataset source containing information on mortality rates by age/race/gender spanning over years

Continuous loan data over the span of multiple years containing data from multiple types of loans.

Fact Tables



Dimensions



Datasets Used

Debt data for years 04-14

<https://data.world/finance/student-loan-debt>

Percent Live Births by Infant Sex and Mother's Race/Ethnicity for New York City, 2007-2014

<https://data.cityofnewyork.us/Health/Natality/wfffy-3iyg>

Vital_Statistics_Suicide_Deaths_by_Age-Group__Race_Ethnicity__Resident_County_Region_and_Gender__Beginning_2003

[https://healthdata.gov/dataset/vital-statistics-suicide-deaths-age-group-raceethnicity-resident-county-region-and-gender-13#{view-graph:{graphOptions:{hooks:{processOffset:{},bindEvents:{}}},graphOptions:{hooks:{processOffset:{},bindEvents:{}}},view-grid:{columnsWidth:\[{column:!Firearm++Deaths,width:268},{column:!Alcohol-Related++Deaths,width:250},{column:!Suicide++Deaths,width:225}\]}}}](https://healthdata.gov/dataset/vital-statistics-suicide-deaths-age-group-raceethnicity-resident-county-region-and-gender-13#{view-graph:{graphOptions:{hooks:{processOffset:{},bindEvents:{}}},graphOptions:{hooks:{processOffset:{},bindEvents:{}}},view-grid:{columnsWidth:[{column:!Firearm++Deaths,width:268},{column:!Alcohol-Related++Deaths,width:250},{column:!Suicide++Deaths,width:225}]}})