

Final Project Lightning Talk

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Libraries

- PROBLEM: Can circulation be predicted?
- HYPOTHESIS: Library system circulation can be predicted using service population and other variables.
- DATA:
 - Institute of Museum and Library Services
 - Public Library Survey (PLS)
 - Survey results of about 9,000 library systems
 - Circulation numbers, service population, revenues, etc.

US Pollution

- PROBLEM: How do pollution levels change over time?
- HYPOTHESIS: Pollution levels have decreased since 2000.
- DATA:
 - US EPA pollution data
 - Found on Kaggle
 - Locations of monitoring sites and daily measurements of four major pollutants from 2000-2016
 - NO₂, O₃, SO₂ and O₃

Historical Menus

- PROBLEM: How have menus changed over time?
- HYPOTHESIS: Has the mean price of different dishes changed at the same rate?
- DATA:
 - New York Public Library historical menu collection transcribed and digitized
 - Found on Kaggle
 - Broken into Menu, Menu Item, and Dish datasets