**Ideas for SAS Symposium**

***Group - 13***

1. (Alex) Adderall Abuse - Compare adderall usage vs different age ranges

<https://www.icpsr.umich.edu/icpsrweb/NACJD/studies/35509>

<https://nces.ed.gov/ipeds/use-the-data>

1. (Alex) Aircraft Safety - Predict airlines, planes, and causes that have the most incidents

<https://aviation-safety.net/database/>

1. Police shootings

· Are there variables that indicate that a person is more likely to be shot and killed by police?

· Would be useful in driving down police shootings.

<https://www.washingtonpost.com/graphics/2019/national/police-shootings-2019/?noredirect=on>

1. Political leaning

· Based on census data can we determine political leanings. Useful in determining which district could flip parties or should be more focused on.

· <https://www.census.gov/mycd/?st=47&cd=07>

· <https://github.com/fivethirtyeight/data/blob/master/partisan-lean/fivethirtyeight_partisan_lean_DISTRICTS.csv>

1. **Credit card data**

A credit card company might be interested in identifying customers that are likely to go bankrupt. The company will use past transaction information to predict future bankruptcy. Once a potentially 'bad' account is predicted, the company will take additional steps to verify the actual nature of the account.

Datasets can be downloaded at <http://mill.ucsd.edu/index.php?page=Datasets&subpage=AllData>

1. **Yelp reviews**

The Yelp dataset is a subset of businesses, reviews, and user data for use in personal, educational, and academic purposes. Available as JSON files, use it to teach students about databases, to learn NLP, or for sample production data while you learn how to make mobile apps. In the dataset you'll find information about businesses across 11 metropolitan areas in four countries.

<https://www.yelp.com/dataset/download>

# **Lending Club Loan Data**

These files contain complete loan data for all loans issued through the 2007-2015, including the current loan status (Current, Late, Fully Paid, etc.) and latest payment information.

<https://www.kaggle.com/wendykan/lending-club-loan-data>