**Proposal, Project 1**

**Title: Who gets the Blues?**

**Team:** the Blues Brothers:

Susan Murphey, Jerome Urioste, Bennett Farrington, Amy Claman

**Questions to Answer**

Do suicide rates vary with insurance coverage and community size? US vs. Houston? Do these rates vary with or contrary to spending on mental health?

**Project Scope**

1. We want to look at suicide data from the US and from Houston, comparing demographics like community size and health insurance coverage.
2. If data is available, we’d like to compare trends in suicide rates and spending on mental health in Harris County.

**Data Sets to be Used:**

* Kaggle international csv, 1995-2016
* Harris County Vital Statistics
* suicide2014.csv (CDC suicide rate and deaths per state for 2014)
* Centers for Disease Control and Prevention Centers for Disease Control and Prevention, National Center for Health Statistics. Underlying Cause of Death 1999-2015 on CDC WONDER Online Database, accessed at http://wonder.cdc.gov/ucd-icd10.html.
* Data USA - Bar Chart of Insurance Coverage by Age and Gender in Harris County, Tx.csv
* Data USA - Geo Map of Medicare Enrollment and Reimbursements by Location in Harris County, Tx.csv
* indicator\_data\_download\_20190318.csv (Age-adjusted death rate per 100,000 population due to suicide, by County, gender, ethnicity and 3-yr period.)

**Task Breakdown**

Find data sets, compare consistencies in the data sets to see which area of our questions and scope are most fertile for comparison and analysis.

Clean the data, prepare to calculate comparable statistics between comparison groups (like not dividing by zero, condidering collection methods, etc.)

Incorporate statistical relevance and accuracy measures.

Analyse, plot, review results. Repeat as needed.

Revise our scope and question as needed.

Prepare slideshow and handouts, Rehearse presentation.