**BCS TEAM A PROJECT #2 PROPOSAL**

**Team A**: Sara Behnke, Sami Abu-Douleh, and David Stagner

**Summary**:

Our project will meet all project 2 requirements and feature three data sets:

* Pet\_finders\_shelters.csv – This dataset included the latitude and longitude of all the pet shelters in North America. We will drill down to those in the United States and provide a national map view with heatmap and pins that will include information about each shelter. The heat map will easily show concentrations of shelter in urban areas.
* Aac\_shelter\_outcomes.csv (Austin, Tx shelter) and the animal\_shelter\_intake\_and\_outcomes.csv (Sonoma, CA shelter) – These datasets provide information on animal type, outcomes, etc.

**Project Deliverable**:

* We will provide a dashboard visualization that includes interactive bar charts for each shelter individually and a comparison of the two via our dropdown menu. Planned charts include:
  + **Visualizations 1 & 2**
    - Animal type vs. euthanasia rates
    - Animal type vs. adoption rates
* We will provide the interactive national map as described above as **visualization 3**.
* Additional features if possible:
  + Adding more chart options for each shelter and comparison. For example, including charts for animal type, outcome type, fixed vs. intact reproductive systems.

**Work Plan**:

The team has divided the work in the following general way. Sara has primary responsibility for the visualization, Sami will handle the database work and David will handle the data transformation.