

# CA Green Gov Code-a-thon

TeamUCD

Qiwei Li

Yu Pei

Jiaping Zhang

(Statistics grad students)

# Outline

1. **Datasets used**
2. **Application dashboard(Live demo)**
3. **Strengths**
4. **Future extensions**

## Datasets used

### 1. State CO2 Emission

- a. Data from 2010 to 2014, department level
- b. From motor gasoline, building electricity etc

### 2. Building energy consumption

- a. 2013 and 2014
- b. By department, but many variables have missing values/mistakes

### 3. State Fleet

- a. each individual car level/rich information

### 4. Waste Management

- a. Visualize percent compliant by SABRC categories

# Data Dashboard

To the App!

# Summary: Strengths

1. thorough exploration of datasets
2. Reconciled the inconsistency in the naming, performed holistic analysis
3. Clean interface and flexible interactive visualization
4. Statistical analysis for future action plan

# Future Extensions

1. Efficiency and scalability
2. Extensive data cleaning work
3. Systematic data integration to insure complete information
4. More informative ways to present data

**Thank You !**