**Project Title** - BIKESHARE

**Team Members** - Caylon Thomas, Melinda Wiley, Sarah Christensen, Kwasi Yeboah-Afihene

**Project Description/Outline**

* DC vs NYC Bikeshares
* Comparison between DC and New York usage on a quarterly basis

<https://www.citibikenyc.com/system-data>

<https://www.capitalbikeshare.com/system-data>

* Member types
* Decrease in membership
* Usage based on time of year, age, and gender
* Seasonal Usage
* Volume of riders

**Research Questions to Answer**

* Each team member is creating two research questions before Wednesday night

**Data Sets to be Used**

* <https://www.capitalbikeshare.com/system-data>
* <https://www.citibikenyc.com/system-data>

**Rough Breakdown of Tasks**

* Research the dataset to refine the rough outline

**Mindy**

To fully understand the dataset from <https://www.capitalbikeshare.com/system-data>, would like to plot out a couple of graphs to see the following:

* Average trip duration, shortest trip, longest trip – stuff like that
* Day time peaks of usership. i.e. mornings, evenings
* Usership location. Would this be helpful for businesses?
* Are certain bikes used more than other?
* Breaking out member type. (Annual Member, 30-Day Member or Day Key Member) or a "casual" rider (Single Trip, 24-Hour Pass, 3-Day Pass or 5-Day Pass)

Has bicycle related accidents in Washington DC increased with the introduction of bike share?

Is there a trend?

Comparing dataset from <http://opendata.dc.gov/datasets/crashes-in-dc> and <https://www.capitalbikeshare.com/system-data>

What is the probability of increased scooter/bicycle incidents vs a decrease of vehicle incidents. If the purpose of bike/scooter share is to provide an alternative to public transportation/personal vehicles there by decreasing congestion and pollution.

Is there a noticeable decrease in bike share usership since the introduction of lime and byrd scooters?