**Project 1 Group #7**

**Project Proposal**



*Summary:* Our project is to uncover patterns in fire data in Wake County, North Carolina. We’ll examine relationships between types of calls, weather over time, and related questions as time permits.

*Data:* Wake County fire department incident data

*Questions:*

* What are the top types of calls?
  + Where do they happen the most (all)?
  + Where do they happen the most (by type)?
* How does the growth impact the number of calls that firefighters respond to?
* What’s the impact of weather on fires?
* How many incidents are cancelled in route?

*Data Sources:*

* Fire Incidents from Raleigh Open Data
* World Weather Online
* Further research is needed for population data and national statistics

*Fire Incident Fields:* Latitude, Longitude, Incident Code (match to the National Fire Incident Reporting System Code), Date, Dispatch time, Cleared Date Time, Station, Platoon, Address, Text Description of Incident,

*Weather Fields:* Date, Latitude, Longitude, Humidity, Max Temperature, Total Sun Hour, Wind Speed, Weather Code (Condition Type), Weather Description (maybe have the rainy, sunny, cloudy), Precipitation

*Tasks Due on Saturday:*

* Put fire data in DataFrame and share – Laura
* Explore fire data – All
* Pull weather data – Jarrod
* Find Wake County Demographic Data – Virgil
* Get National Fire Incident Reporting Codes in a list – Jill
* See if there are national stats - Jennifer
* Start Presentation – Jennifer
* Look into animated maps – Jarrod
* Is there other county data for other NC regions - Laura