**Weekly Plan**

**Team Members**

* **Nancy Fujikado**
* **Alexei Mendoza**
* **Sarah Sanchez**
* **Kijahre Fikiri**

Progress: begin in-process done ~~change of plans~~

**Rubric Segment 1** (19% of final grade) **Due 11/6** *note: content should be in README*

1. **Presentation Content: Team members have drafted their project, including the following:**

* Selected topic
* Reason why they selected their topic
* Description of their source of data
* Questions they hope to answer with the data

1. **GitHub**

* Main Branch Includes a README.md
* README.md must include: Description of the communication and protocols
* At least one branch for each team member
* Each team member has at least four commits from the duration of the first segment

1. **Machine Learning Model:** **Team members present a provisional model that stands in for the final machine learning model and accomplishes the following:**

* Takes data in from the provisional database
* Outputs label(s) for input data

1. **Database: Team members present a provisional database that stands in for the final database and accomplishes the following:**

* Sample data that mimics the expected final database structure or schema
* Draft machine learning module is connected to the provisional database
* Team members present a fully integrated database.

**From 10/4 to 10/11:**

* Meeting between team members (10/11 @2pm)
* Create code to grab data from Home Depot’s site
* ~~Get a Lowes API and investigate what it can do~~ **(Note to Nancy: it turns out, Lowes does not have an API. No need to do this, besides, I’ve found a work around)**
* ~~Gather product IDs from Lowes website~~
* Look into creating a git hub io

**From 10/11 to 10/18:**

* Refactor code to grab data from Lowe’s site
* Create database schema (See “Estimator\_Scehma.sql)
* Research web scraping a third site and get necessary data for third web scraping site
* Add VBA drop down menus to estimator sheet
* Create Estimator Worksheet Framework
* Fine tune worksheet and website
* Edit schema to include “link”

**From 10/18 to 10/25:**

* Fix “Multi-Vendor\_grab” so that it only grabs information where price is listed
* Make a better price variable (currently looks like this: ‘['rich\_snippet']['top']['detected\_extensions']['price']’
* Clean raw data:
  + Drop na’s
  + Drop vendors with only (1) value count
  + Return a data set of minimums
  + Find: average, max, and SD of prices
* Create data base, CSV and Excel file with data and send to website
* Polish a deliverable “Segment 1”

**From 10/25 to 11/1:**

* Meet new team members:
  + Explain project
  + Establish communication and GitHub protocols
  + Divide up remaining workload
* Discuss presentation structure
* Get a web host domain
* Start working on Power Point
* Start working on regression analysis
* Start working on Visualizations