EV Project - Timeline

Objectives:

- build interactive tool to provide insight about volkswagen egolf
- develop user manual for interactive tool
- create FAQ for volkswagen egolf and electric vehicles in general

Milestones:

- ☑ tidy data
    - ☑ import data
    - ☑ merge data
    - ☑ clean data
- ☐ plan dashboard
    - ☐ compile list of questions for data
    - ☐ answer questions using data
    - ☐ create user interface outline
- ☐ build tool
    - ☐ build backend
    - ☐ build user interface
- ☐ expanding the tool/other projects
    - ☐ collect data directly from OBD2 port?
    - ☐ integrate gps data into tool?
    - ☐ import tool onto car dashboard?

Project Timeline:

Week 1 (May 1st - 3rd)

- ☑ Orientation
- ☑ ~~Install Software~~ carried to monday
- ☑ Alex: 1st and 2nd

Week 2 (May 6th - 10th)

- ☑ Load data into R
- ☑ Merge and tidy data
- ☑ Start visualizing data
- ☑ Build project timeline
- ☑ Build agenda for project brainstorming meeting

- ☑ Alex: 6th and 8th
- ☑ send meeting request for Merl and Tracy to discuss launch logistics

Week 3 (May 13th - 17th)

- ☑ discover effective questions to ask the data
- ☑ initialize FAQ list
- ☑ visualize and explore data to answer FAQ's and gain insight for online tool using R
- ☑ develop set of personal notes/observations about data using Rmarkdown
- ☑ ~~meet with Steve, Derek and Merl to brainstorm project ideas to explore after online tool is completed~~

need to build a more comprehensive list of discussion topics before this happens

- ☑ meet with Merl and Tracy to discuss launch logistics
- ☑ Alex: 16th

Week 4 (May 20th - 24th)

- ☑ ~~build scripts to be imported into tool, these will serve to answer consumer questions~~
- ☑ learn Shiny (framework for importing r code to javascript) - this will be used to build the online tool
- ☑ ~~finish online tool backend~~
- ☑ ~~start development on user manual~~
- ☑ Alex: 21st

Week 5 (May 27th - 31st)

- ☑ build scripts to be imported into tool, these will serve to answer consumer questions
- ☑ build user interface for online tool
- ☑ build server for online tool
- ☑ ~~launch beta version of tool (May 31st)~~ *moved to next week*
- ☑ alex: 27th

Week 6 (June 3rd - 7th)

- ☑ launch tool beta
- ☑ integrate online weather data
- ☑ Alex

Rest of June

- ☑ initialize FAQ
- ☑ Continue to polish user interface
- ☑ obtain and test scan tool
- ☑ build help page

July 1st - July 5th

- ☐ work on FAQ

July 8th - July 12th

- [ ] Finish FAQ
- [ ] Fix remaining bugs
- [ ] inquire about android tablet

July 15th - July 19th

- [ ] launch app july 15th
- [ ] start working on system for scan tool
- [ ] polish user interface/add features

July 22nd - beyond

- [ ] Finish developing system for scan tool (end of july)
- [ ] finalize user interface
- [ ] finalize user manual