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

- [x] 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: *in progress*
- [x] initialize FAQ list
- [ ] visualize and explore data to answer FAQ's and gain insight for online tool using R: *in progress*
- [x] develop set of personal notes/observations about data using Rmarkdown
- [x] ~~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*
- [x] meet with Merl and Tracy to discuss launch logistics
- [x] Alex: 16th

Week 4 (May 20th - 24th)

- [ ] ~~build scripts to be imported into tool, these will serve to answer consumer questions~~ *moved to next week*
- [x] learn Shiny (framework for importing r code to javascript) - this will be used to build the online tool
- [ ] ~~finish online tool backend~~ *moved to next week*
- [ ] ~~start development on user manual~~ *TBD*
- [ ] 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 gps data
- [ ] integrate online weather data
- [ ] Alex: 2 days TBD

Week 7 and beyond (June 10th -)

- [ ] import tool onto vehicle dashboard
- [ ] until end of june: meet with Alex twice a week

Week 15 - Week 17 (August 5th - 20th)

- [ ] Finalize tool

- [ ] Finalize FAQ
- [ ] Finalize user manual