**Project Proposal – UPDATED!**

**Q: The kind of data you'd like to work with/field you're interested in (e.g., geodata, weather data, etc.)**

APIs Used:

* Reddit API (pull last month’s data; tentative)
* Census API (population)

**Q: The kinds of questions you'll be asking of that data**

Our main question:

Using Reddit API and Census API, dive into Subreddits for each state and compare against Census. We’re looking to see what state is the most active state per capita on Reddit.

*Additional questions/things to explore:*

* Submission activity by state
* Possibly most controversial
* Possibly identifying which states have the highest, lowest subscribers and comments per capita

**Q: Possible source for such data**

Reddit API, Census data

**Agile Methodology**

~~(1) Setting up repository (done)~~

~~(1) Setting up Guidebox (only 7 day trial/1,000 calls): doesn’t provide information we needed~~

(1) Find new API for streaming (ideas: YouTube, Reddit, other streaming, etc)

**# Presentation Requirements**

**The presentation requirements for Project 1 are as follows.**

**Your presentation must:**

**\* [ ] Be at least 8-10 min. long**

**\* [ ] Describe the core message or hypothesis for your project.**

We were interested in exploring whether or not a correlation exists between weather and streaming habits? Are you watching a streaming service at all (viewership)?

*Additional questions/things to explore:*

* Time
* Region
* Season
* Temperature Ranges
* Weather (snow, rain, etc?)

**\* [ ] Describe the questions you and your group found interesting, and what motivated you to answer them**

**\* [ ] Summarize where and how you found the data you used to answer these questions**

**\* [ ] Describe the data exploration and cleanup process (accompanied by your Jupyter Notebook)**

**\* [ ] Describe the analysis process (accompanied by your Jupyter Notebook)**

**\* [ ] Summarize your conclusions. This should include a numerical summary (i.e., what data did your analysis yield), as well as visualizations of that summary (plots of the final analysis data)**

**\* [ ] Discuss the implications of your findings. This is where you get to have an open-ended discussion about what your findings "mean".**

**\* [ ] Tell a good story! Storytelling through data analysis is no different than in literature. Find your narrative and use your analysis and visualization skills to highlight conflict and resolution in your data.**