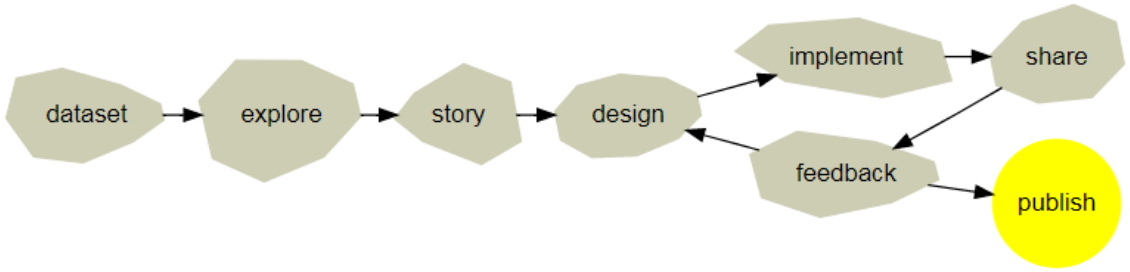
An interactive (web) visualization

Your project for this course is developing an engaging interactive data Visualization, based on a data set that tells a story and allows the reader to explore.

Your work should be a reflection of the theory and practices of data visualization, and you will preferably use the Javascript library D3.js, but other frameworks may be acceptable (ask your teacher).

We will provide some options of data sets to explore; however, you may choose to explore an 3entirely different data set. You should be aware that finding your own data set and cleaning it can take considerable time and effort.

Next to the final product, it is important to be able to show your process. Follow these steps and document them well:



Step 0: Get organized!
Since this will be a project where you will try out many things and iterate many times, we encourage you to actively use a Git repository to track your changes. This repository should contain as a minimum:
A readme.md file with the following sections:

- *Summary*: A short 4-sentence summary of your visualization
- *Design*: explain any design choices you made including changes to the visualization after collecting feedback
- *Feedback*: include all feedback you received from others on your visualization from the first sketch to the final visualization
- *Resources*: include a list of sources and tools you used

It should also include your data or a link to the data if the data set is too big with a codebook describing the data. Of course it should also include your html, css and js source files.

Step 1: Find a dataset on a topic that interests you
There are many sources of interesting and open data. Make a choice of a data set that is complex and large enough to be able to explore and offer insight.
You can also choose to combine several different datasets.

Step 2,3: Explore your data and find a story
Explore your data set and craft a message or story around your data! Think about the overall message you want to convey and think about the comparison(s) or relationship(s) you want your readers to see. During this phase you can use your Excel, Tableau and Python skills to find interesting relations, and create storyboards to arrange your ideas into a story.

Step 4: Design your visualization
Sketch various ideas for your visualization. Once you settle on one, explain any design choices in that sketch, such as chart type, visual encodings, and layout, in the Design section of the README.md file.

Step 5: Implement your visualization
Write code to create your visualization using preferably D3.js. The visualization must include animation, interaction, or both.
The Udacity course on *Data Visualization with D3.js* provides an excellent base for

Step 6,7: Share and get feedback
Share your visualization with at least 3 other people and document their feedback. There are many ways to get feedback, and more feedback is generally better!
You might want to ask specific questions when you collect feedback. Here are some questions to help you. You can, of course, ask others.
• What do you notice in the visualization?
• What questions do you have about the data?
• What relationships do you notice?
• What do you think is the main takeaway from this visualization?
• Is there something you don't understand in the graphic?

Document feedback and improve
For each person that gives you feedback, add the person's feedback to your README.md file in the Feedback section. As you improve and iterate on your visualization, update your code and describe any changes in the Design section of the README.md file. You should be building evidence that you have shared your visualization, received feedback, and responded to that feedback. You will need to commit the different versions of your visualization or at least include screenshots of the different versions.

Step 8: Publish!
Share your accomplishment! Share with friends, family, and colleagues through your social networks and show-off your visualization.

Review
How does your visualization compare to the learning outcomes of this course. Check the rubric on Canvas and discuss it with your lecturer.