# Narrative Visualization Project Essay

**Messaging**

My narrative visualization is intended to state the relationship between years/experience level/country with data science jobs’ salaries, implemented with the “Data Science Job Salaries” Kaggle dataset (Bhatia, Ruchi.)

For example, in my second scene, there are more percentage of people has salaries above 190K USD in 2022. It indicates that it is much easier to find a job above 190K USD in 2022. Similar logic could apply to experience level and country in the scene.

**Narrative Structure**

My narrative visualization was designed to follow martini glass structure.

Users cannot play around with the visualization until going through all introduction and three scenes in the top yellow section.

**Visual Structure.**

**There are three scenes in my narrative visualization. All of them are using the same set of visual structure, which are structure, highlight and transition, since the only trigger parameter in the whole visualization is the slider bar.**

**For the structure, it mainly has three bar charts in the whole scene, which are year vs percentage of people on the top left, experience level vs percentage of people on the top right and count of people vs country on the bottom. With this structure, users could easily find out the reflection in all three charts with the minimum salaries amount changing and do the analysis to find out the best combination of year, experience level and country to achieve the selected minimum salaries.**

**For the highlight, it mainly uses the red annotation to do the highlighting work. All the bar charts are in light green color, which makes the red annotations has**

**For the transition, the “Next” button and messages in the top yellow section could orient users to go to the next scene.**

**Scenes.** What are the scenes of your narrative visualization? How are the scenes ordered, and why

**Annotations.** What template was followed for the annotations, and why that template? How are the annotations used to support the messaging? Do the annotations change within a single scene, and if so, how and why

**Parameters.** What are the parameters of the narrative visualization? What are the states of the narrative visualization? How are the parameters used to define the state and each scene?

**Triggers.** What are the triggers that connect user actions to changes of state in the narrative visualization? What affordances are provided to the user to communicate to them what options are available to them in the narrative visualization?

Reference:

1. Bhatia, Ruchi. “Data Science Job Salaries.” Kaggle, 15 June 2022, <https://www.kaggle.com/datasets/ruchi798/data-science-job-salaries?resource=download>.