University of Hawaii at Manoa Department of Computer Science

Semi-Structured Interview questions

**Interaction with Multiple Data Visualizations Through Natural Language Commands**

**Background** **information**

1. What is your age?
2. What is your major?
3. Do you have any experience with charting tools or working with visualizations? If so, how does Articulate compare to those charting tools?
4. Do you have any experience with Natural Language Assistants like Siri, Alexa, Google Home? If so, how does Arti differ?

**Ratings**

1. Did you find the visualizations provided by the application to be useful, please rate from 1-5 (1: not very useful, 2: somewhat useful, 3: neutral, 4: useful, 5: very useful). Can you explain your answer?
2. Did you find the command system easy to use in exploring the data? Please rate from 1-5 (1: not very easy, 2: somewhat easy, 3: neutral, 4: easy, 5: very easy).

**Task Specific Question**

1. What was your approach to understanding the data?
2. How relevant were the visualizations that you clicked on? Can you identify which visualizations or set of visualizations that were the most important?

**Articulate Experience**

1. Please describe any unexpected discoveries or observations you made by using the visualization application
2. Please describe the limitations of the visualization application
3. Please describe any features that you would like to see in the visualization application
4. How was your experience with Arti?
5. Were there any moments where Arti created a visualization that you didn’t ask for? If so, can you describe if those visualizations were useful?
6. 10 years from now when Arti is perfected, would you prefer to talk to him/her to make visualizations, or would you prefer to go back to using tools like Excel, Tableau, etc…