**CSCI 6612 - Visual Analytics Assignment 2**

**Akshay Reddy Poturi - B00822804**

**Features implemented:**

1. Providing an option to the user to select/upload any csv file to visualize Radviz.
2. Static visualization with all data attributes as anchors of circle. Different class data points were plotted with different colors.
3. Draggable anchors where we can drag the anchor positions to any point on the Radviz.
4. Slider for changing color opacity of all instances.
5. smooth transition when dragging the anchors. All the data points positions will be changed automatically when the anchors are dragged.
6. Tooltips for all data points where the information about the data point like column values and class name is provided.
7. Checkboxes for selecting optional anchors to be displayed in Radviz. When input is provided using check boxes, the positions of remaining anchors will be updated automatically along with the data points in Radviz.

**Output:**

**Iris Dataset**

A picture containing screenshot

Description automatically generated

**Iris Dataset with selected color opacity and anchors**

A screenshot of a cell phone

Description automatically generated

**Winequality-red data set**

A close up of a map

Description automatically generated

**Winequality-red with selected color opacity and anchors**

A close up of a map

Description automatically generated

**Winequality-red with anchor dragged to a different position**

A close up of a map

Description automatically generated

**Winequality-white**

A close up of a map

Description automatically generated

**Winequality-white with selected color opacity and anchors after dragging**

A close up of a map

Description automatically generated

**Winequality-white showing the tooltip for data points**

A screenshot of a map

Description automatically generated

**References:**

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[3] "d3/d3-scale", GitHub, 2019. [Online]. Available: https://github.com/d3/d3-scale. [Accessed: 10- Oct- 2019].

[4] "Change objects opacity", Bl.ocks.org, 2019. [Online]. Available: https://bl.ocks.org/EfratVil/2bcc4bf35e28ae789de238926ee1ef05. [Accessed: 10- Oct- 2019].

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[6] "WYanChao/RadViz", GitHub, 2019. [Online]. Available: https://github.com/WYanChao/RadViz/blob/master/src/RadViz.js. [Accessed: 10- Oct- 2019].