

# Programming Assignment 1 Rubric

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## Criteria

### Please note:

Since there were issues with the data that we had provided, please do not look too closely at the specifics of the data. Unless the overall representation of the data, or large parts of it are seriously incorrect, please do not dwell on whether the precise individual values that were used were from the updated data or the earlier data that was given. We apologize for the problems with the data.

### Appropriate chart selection and variable

Did you select the appropriate chart and use the correct chart elements to visualize the nominal, ordinal, discrete and continuous variables, as described e.g. in lecture 2.1.3. Continuous data variables should be assigned to continuous chart elements (e.g. lines between data points) whereas discrete variables should be assigned to discrete chart elements (e.g. separate bars). Furthermore, the assignment of variables to elements should follow the priorities in lecture 2.1.2.

### Design of the chart

Does the chart effectively display the data, based on the design rules in lecture 2.3.1.

### Contest

How interesting is the result. Does this represent an interesting choice of data and/or an interesting way to display the data? For example, was a streamgraph used instead of an ordinary bar chart?

## Grading

Criteria	Poor (1-2 points)	Fair (3 point)	Good (4 points)	Great (5 points)
<b>Appropriate chart selection and variable</b>	Chart is indecipherable or significantly misleading because of poor chart type or assignment of variables to elements.	Major problem(s) with chart selection or assignment of elements to variables.	Minor problem(s) with chart selection or assignment of elements to variables.	Chart selection is appropriate for data and its elements properly assigned to appropriate data variables
<b>Design of the chart</b>	No apparent attention paid to design	Evidence that several of the design rules should have been followed but were not	Evidence that one of the design rules should have been followed but was not	Attention paid to all design rules

Contest	Misleading	Boring	Not boring	Interesting
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