Questions

1. Find a visualization online and answer the following questions pertaining to that visualization. Attach the visualization as a screenshot in your submission.

   Screenshot Visualisation.jpg

2. Consider Bertin's characterization of visual variables (position, size, shape, value, color, orientation, and texture). Pick 2 of Bertin's visual variables, and discuss them in relation to your visualization.

   Visual – Position

   The height (y position) of the markers give the average temperature for a certain time span. The x- position gives the time span in years between 1900 and 2100.

   Visual – Size

   Visual – Shape

   Hardly noticeable but the length of the marker indicates the time span in years.

   Visual – Value

   Visual – Color

   Five climate change scenarios are presented in this visualization. The color indicates the estimated average temperature for the period 2040 – 2100 for each of these five scenarios.

   Visual – Orientation

3. Do you agree that visualization is a functional art? Explain.

   Art in general is a way to express and to communicate between people. So in contrary to the so called free art where the artist only expresses themselves and leaves the interpolation to the other, functional art is a way to communicate information.

4. Ask yourself what the designer is trying to convey and think of three to four possible tasks this visualization should help you with. Does the visualization achieve any of your tasks? (To view an example, see Albert Cairo, pages 26-28.)

Present

Data from various scenarios (I guess data is the result of running numerous simulations) is presented in a graph.

Comparisons

The future trend for the mean temperature is compared with the historical data (1920-2010). The use of colors makes it very easy to discriminate between these two. One color for the past, separate colors for the trend.

Organize

The trend is organized by a gray rectangle.

Correlations