InfoVis Project Evaluation Note

Common Issues

- Leaderboard is not easy to use. No way to know which section a country is in. People don't know all country flags. Ordering not intuitive for people who do not know data.

- Drop down list for features is at the top of the page, this means that it is off screen when scrolling, so users forget about it.

- How to deselect flags unclear.
  - Fixed! Selected flags have a border, to indicate they are "active". However some participants suggested a clear button.

- Unclear axes and tooltips.
  - Fixed.

- Known bug in scatterplot. Scale only to 10, many points missing.

- Unclear about when data is missing, because it just shows up at 0.
  - Now fixed! Petals with no data are greyed out.

Participant 1

- User struggles with choosing flag without name being present.
- Didn't speak out loud very much. But understood things very quickly.
- Needing to scroll down page obscured one of the drop down lists, making the scatter plot hard to use.
- Netherlands selected node difficult to find in scatter plot.
- When correct node was found, came to correct conclusions quickly.
- Scatter plot colours need to be made more consistent. (Nice To Have).

Participant 2

- Instructions should be more visible. User saw instructions but did not read them.
- Exact freedom scores not visible enough at the start.
- Some petal values don't have the values when hovered over - missing data.
- Prefers search function to leaderboard.
- Leaderboard is unclear, no way to know which section each flag is in. You just have to search.
- Gets answers right.
- Flower chart should have axis label on the left.
- What each data value actually means is not always obvious. Some better way to explain them should be done in future work.
- Deselect all button would be helpful!

Participant 3

- Actually read the instructions!
- Petals on flower are not immediately clear.
- Used flower plot for freedom score. Then scatter plot.
- Line chart is busted.
- Titles of variables unclear.
- Scroll bar goes too fast.
- Order of leaderboard not immediately clear.
- Answers not perfect, but close.
- Petals being clickable is not clear.
- Differences in task for Netherlands cannot tell. Used flower plot but wasn't very helpful.
- Drop-down list not in obvious place because of scrolling.
- Never came to full understanding of how to use interface.
- Leaderboard alphabetical might be better.

Participant 4

- Quick to pick up how the interface works.

- Thinks flag access is difficult. Search bar or sorted by continent.
- Basically suggested to use a line chart. For trends across years.
- Dynamic axes are sometimes not clear enough. For some graphs, fixed axes should be used.
- Wants an easier way to get rid of flowers. Maybe click in the middle of a flower to get rid of it?
- Couldn't locate Netherlands in scatterplot (known bug). Needed direction to get back on track.
- Scatterplot dot colours are unclear.
- Could not find correlation pattern in scatterplot.
- Put instructions on top not at the bottom.

Participant 5

- Took time to read instructions! Wow!
- Found petal hover functionality quickly but not click.
- Struggles to use the scatterplot. Combination of unfamiliarity and known bug.
- No labels problem.
- Not user friendly enough. Days details on demand is not good, because the user has to search for it, rather than be presented with the information immediately.