**Database Visualiser – Iteration 6 Comments 5 October 2018**

**Requirements for public deployment**

Fix the horizontal scroll bar in the narrow view. This should never be seen: the app should size itself exactly to the available space.

Print no longer works well. It only wants to use half the page. Is this easily fixed? Have you seen what happens if you choose the browser print option? It would be better if this worked.

You still have a “TODO: Fix header line” in the CSV export. If this is too difficult/too late, we can remove this function completely.

About page corrections (to my original text – sorry!): “~~(HTS)~~” abbreviation not required, just delete. “…most comprehensive ~~performance~~ data available…” delete performance. “are welcomed” turn this into an email contact link, same address and subject as the one in the footer. “Ic” italicise I, subscript c. “publically” -> “publicly”.

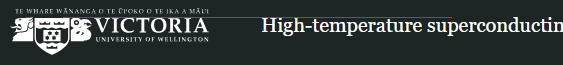
To make it fit on the narrowest screen, remove the word “Copyright” from the footer, at least in the narrow view, but in both is also fine if that’s easier. (I know I previously asked you to add this.)

(Elegant) error message on incompatible browsers saying how to get it working. You suggested it might be relatively easy to get it running on the latest version of IE. That would be a really big point in your favour (but is not required). One of your arguments for using modern frameworks was their cross-browser compatibility. We still need a clean failure on incompatible browsers. A lot of scientists are awkward in their browser choice and out of date.

Remove the watermark from the graph (unless it can be greatly improved and prevented from jumping around – up to you, I did provide a graphic at one point).

Tidy up the sidebar with consistent capitalisation: “Independent Variables” should be “Independent variable”. Add a heading on “Linear|Logarithmic” saying “Scale”, ideally to the left of the buttons instead of above them like the point size heading (and the same in the Dependent variable section). In the “Appearance” section, put a heading “Colours” to the left of the buttons, put a heading “Line” to the left of renamed options “Straight|Curved”, put a heading “Points” to the left of the buttons, rename the heading “Point **s**ize” to the left of the slider. Remove the headings “Line Style” and “Point Style” and the dividing line. These take up too much space, and the colours apply to both points and lines.

The vertical alignment of the text and the logo in the header and the footer is not the same. The footer is wrong. Can it be corrected?





The title is not centred on the figshare logo because the logo has had space added to the bottom:



**Issues arising from recent changes made**

If you can be bothered, remove the rounded rectangle from the point styles. It’s barely distinguishable from the circle at most point sizes.

The DOI button is neat, but it’s not obvious what it does. I don’t know what to recommend.

**Other**

I’m not sure if this is hard, or if you’ve just overlooked it. If easy, it would be nice if the order of the independent parameters in the point label popup box could be fixed: temperature, field, angle. At the moment they change places depending on what type of dependence is being viewed. Subscript c is too hard?

It would be neater if the “Publication Date” header spanned both the date and the figshare button columns. (Unless this is harder than I think it is, in which case, fine.)

**Newly discovered issues (that used to work)**

Right clicking the graph and choosing copy used to work seamlessly. Now, however, instead of copying the image, it copies an HTML object, which can’t be pasted into Word except by choosing Paste Special then Bitmap. It would be really nice if this just worked.

**General comments**

Agreed not to implement: Filter is good. UI needs a bit of thought. For example, could you include the entry field beside the “Datasets” header of the table? Even in the smallest window size, there is space for it there.

Agreed not to implement: A final tweak at the end of the project would be to make the data selection page and the graph page the same size. In other words, the header and footer would never move, however you click around. Implementation of this would require a bit of thought. It comes down to sizing things (the dataset list on the selection page and the graph on the display page) to the window height, but more basically just keeping both of these two main pages the same vertical height. At the moment the two are independent heights. Fixing them to be equal would increase the cohesiveness of the app as a whole.

**Dataset selection page**

Agreed not to implement: How does this page handle many datasets? If I had 100, would they all appear in one long list, or would they be broken up into pages?

**Graphical display page**

Question to consider: are graph images exported as they appear or in some standard size…?

The gridline at the top of the graph is missing. We show the label (e.g. 1,000), but we don’t have the line, and it makes the graph look incomplete. Ideally we would use the slightly heavier lines we have on the left and bottom of the graph also to frame it on the top and right. Next, is it easy to put a small space between the labels and the tick marks that extend outside of the graph. At the moment they are exactly touching (y-axis, where the digit is zero) and this makes it look messy. X-axis is better, but could also benefit from slightly more space.

For an added challenge, you can attempt to subscript the c in *I*c.

Data export is good. We’re considering the nature of the csv export. It’s helpful to have both save PNG and copy PNG to clipboard (which works via right-click). It would be nice if the print graph was implemented via the browser print function rather than (cleverly, I admit) via a separate page. I think there’s a way with style sheets to specify what gets printed, but maybe this is too much work. Don’t worry too much; the existing functionality is good.

We need to think what to do about the title of the graph. I don’t really want to see “Angle Dependence”, etc. This is obvious from the fact that the x-axis shows angle. Also “1T Field” is unnecessarily wordy; it can’t be a 1 T anything else. But “1 T” on its own won’t look good. In some ways, “1 T Angle Dependence” is better than what you have, so maybe that’s the easiest change. But some of the feedback was saying when the graph is exported, you don’t know what sample it was from, which is why I suggested a tiny watermark at the bottom with sample name and doi.

**Mobile compatibility**

Still haven’t tried mobile, but the resizing looks like it will work well.

**Queries / Discussion points**

Agreed not to implement: Is the style of the website contained in a simple stylesheet or other easily editable form? For example, if I wanted to change the green colour of the header bar, how easy would that be to do? See above idea, also discussed in the meeting: How about framing the app (middle bit) in a page of regular HTML that I could edit? Then I can even embed the app on other webpages to increase its exposure. I’m thinking of something like a frame, that could be put anywhere. Like Youtube videos can be put on any webpage, for example. That’s the same thing: the webpage server doesn’t run Youtube, that runs on its own server (AWS in your case). But the host webpage can be arbitrarily simple.

**Additional features (just a list so we don’t forget something)**

I want the graph to look good when printed out.

Data export features – copy graph to word document, access *actual* data files.

Metrics (page views, downloads, …).

Admin options: flag to hide incompatible datasets, way to edit stylesheet?

Fit curves instead of point joining (I expect this to be deferred to a future project).

How to support VUW rebranding…