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Assignment 1

User Documentation

One of the things I was commented on and changed was that the magnitude map was listed as a heat map on the button, which is easy to confuse with temperature in a meteorological map, so I changed it's name. Likewise, I was told that my streamlines took up too much space, so I changed their thickness.

Likewise, while it's fairly clear what variables do when reading the relevant part of the calculation, they are set at the part where calculations happen, and that can be confusing when looking for things like the number of spaces in the arrow grid. However, selecting stations, and selecting map corner coordinates – the things users are actually likely to change, happens in fairly obvious places – simply by uploading a JSON file in the correct format, or by changing the coordinates of the corners written near the start of the code.

Some of my math can get confusing, but I tried to divide it into as many simple parts as possible in order to make the calculations more understandable.

Selecting different vis options is easy – simply click the corresponding buttons on the right side of the HTML page.