

HCDE310: Interactive Systems Design & Technology

Human Centered Design & Engineering, University of Washington

P1: Adding value to data

Due Monday, October 27, 3p (start of class)

What to hand in

- 3 concept sketches (you can turn this in on paper in class on Monday, but it would help Christina a lot if you can PDF them and turn it on Canvas.)
- a PDF with a project sketch (or, if that doesn't work, a Word document), via Canvas

Part 1. Concept sketches

One Thursday, you brainstormed ways to add value to data in an in-class exercise and then generated three concept sketches. Turn in your concept sketches from class. If you were missing details, fill them in, but otherwise, just turn them in.

If you missed class, please email us about this part!

Part 2. A project sketch

This part of the assignment mirrors your eventual project proposal *but is not your project proposal*. Hopefully Wednesday's class and this assignment will help you start noticing and thinking about possible project opportunities over the next weeks.

For this part of the assignment, elaborate on the *one* idea about which you are most excited by preparing a write up that describes:

1. How your system will add value to the data and for whom
2. Data sources the project will use (don't worry about the technical details – something at the level of the class handouts would be good).
3. What the output will be and why that is a useful format.
4. The steps – *in English, not Python* – that would be necessary to transform the data into the final output. For this assignment, these steps can be quite abstract.
5. You are encouraged to include a sketch or sketches illustrating your idea; these don't count against the page limit.

If, in hindsight, you are not a fan of your concept sketches, you can come up with something new for part 2. Apart from any sketches, this should be no more than a page.

A high quality project sketch will be well written and persuasive. It will make the reader understand the need for the product, and result in the reader wanting to see your idea get made. It will also provide enough detail that the reader can ask questions and make suggestions.

This assignment is also less constrained than the project proposal (P2). **Don't worry about what you can or can't make with your current skills or the skills you think you will have by the end of the quarter.**