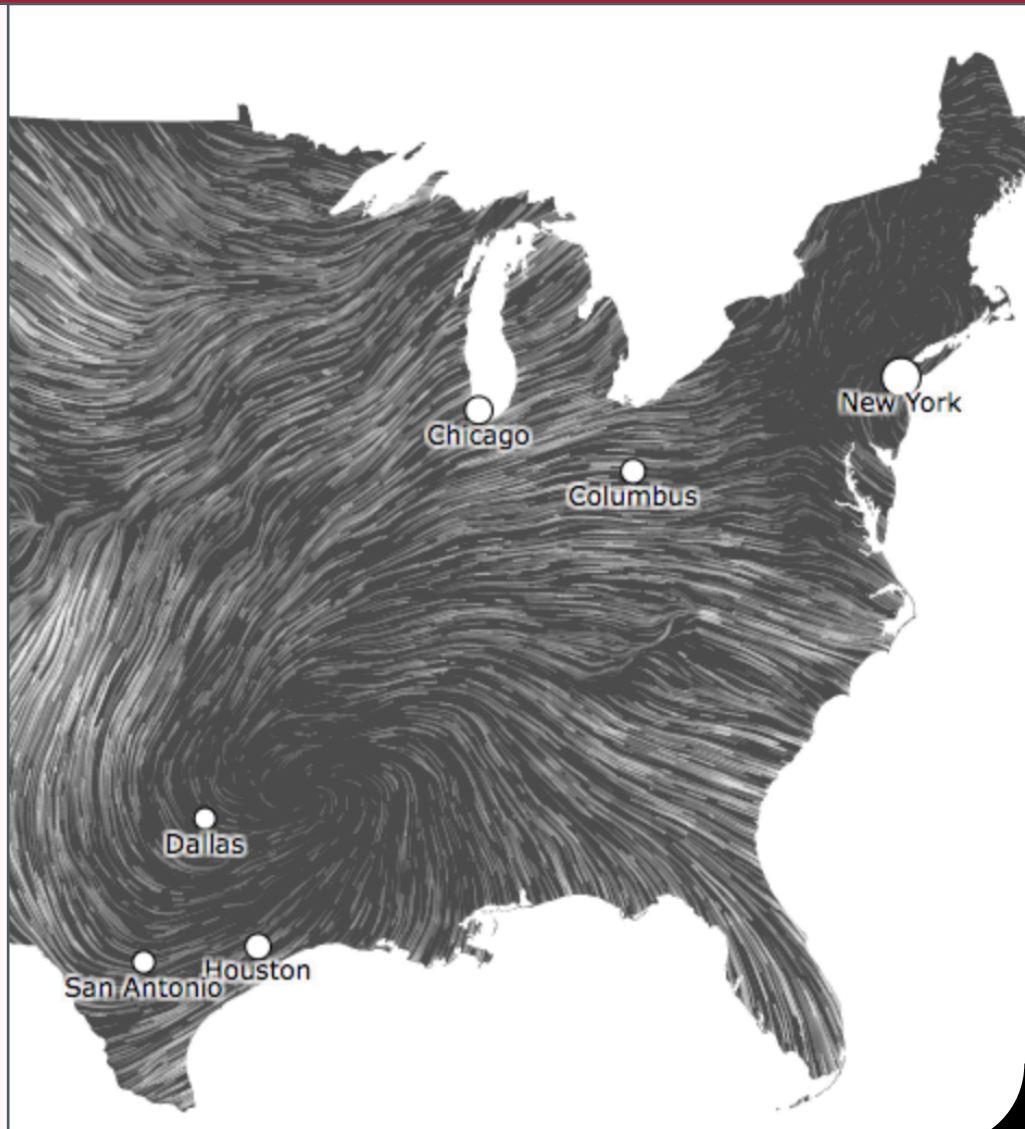
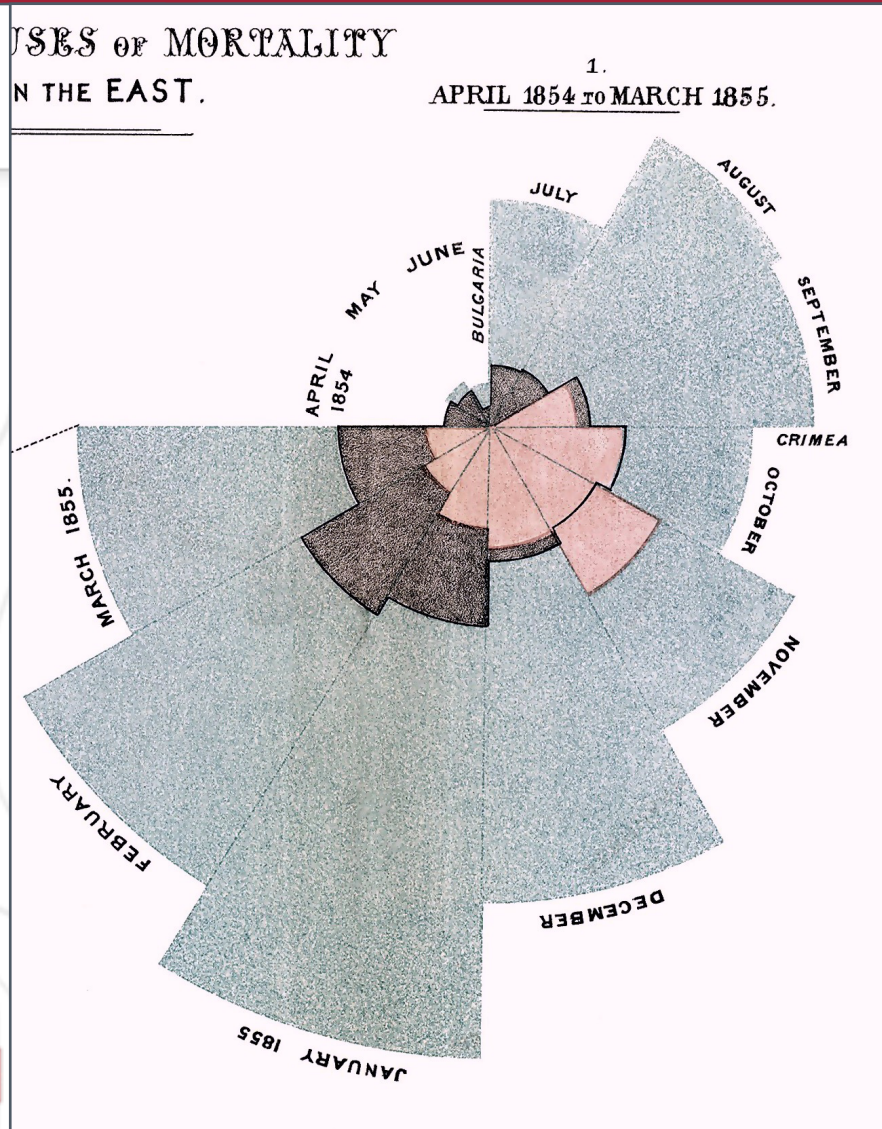
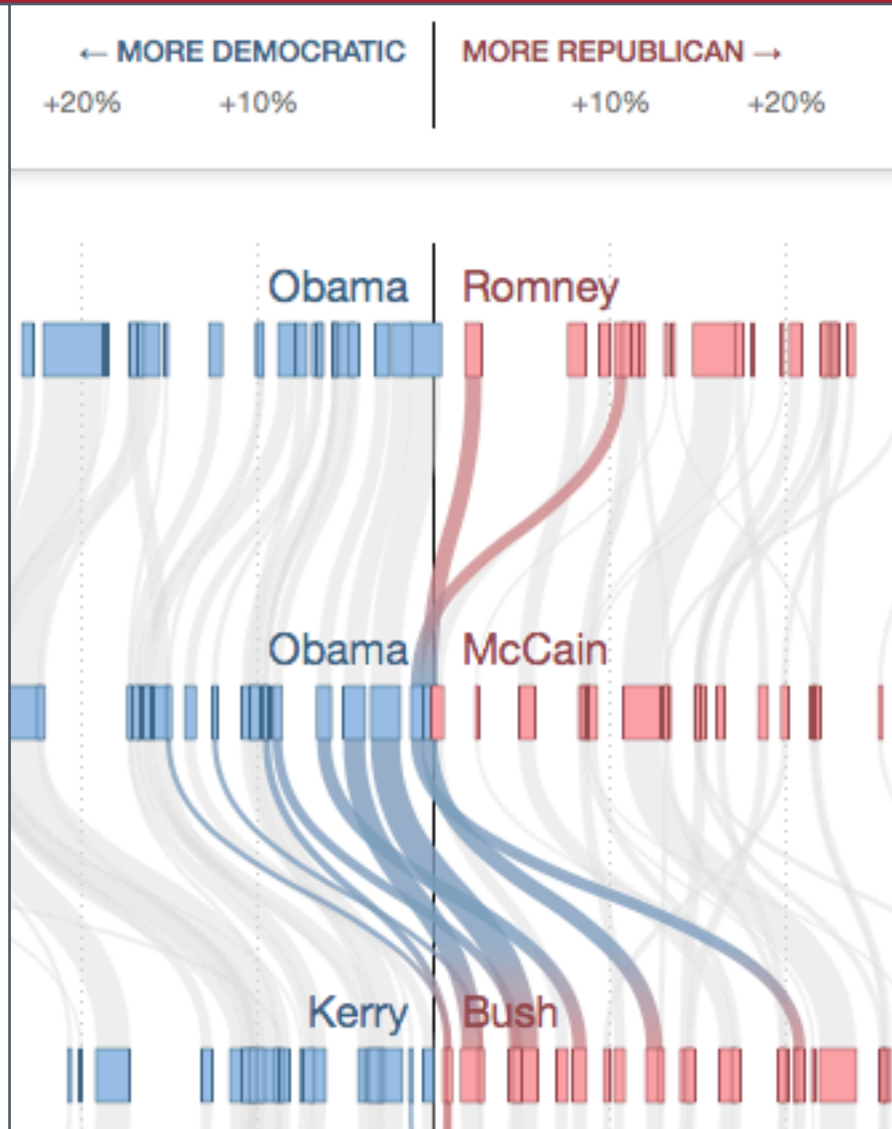
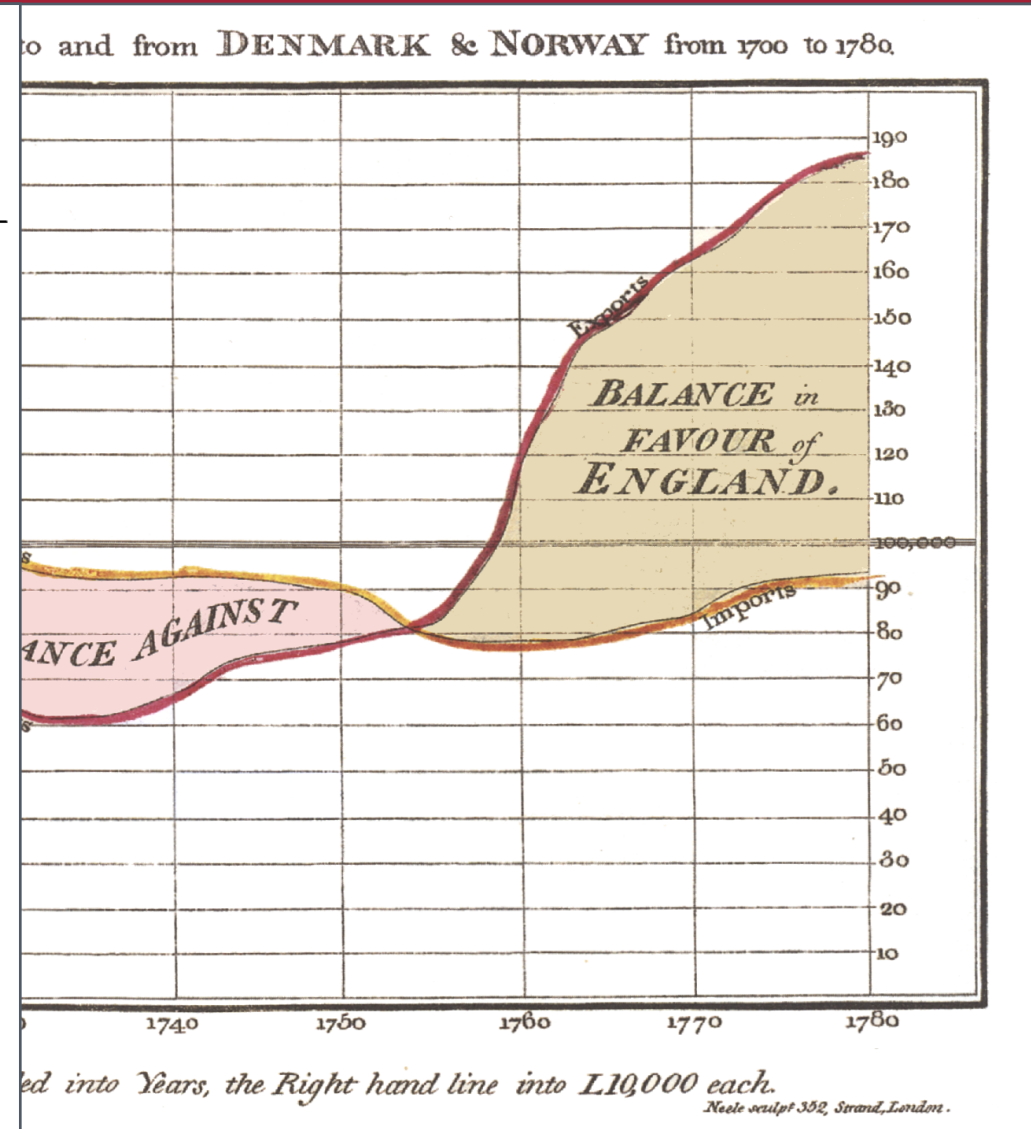
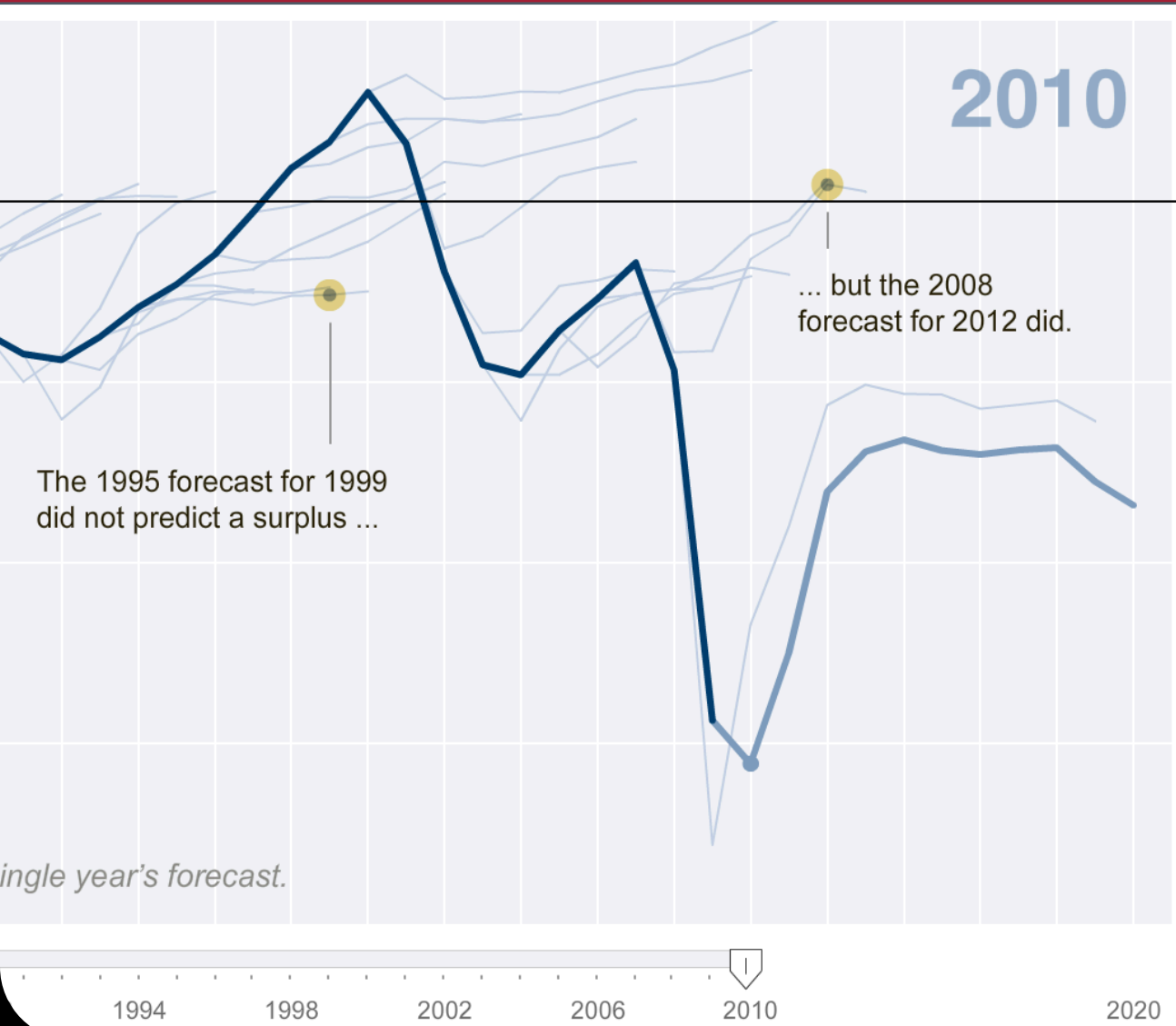


6.894: Interactive Data Visualization

Ethical Visualization Studio

Arvind Satyanarayan



Ethical Dimensions

[Michael Correll, CHI 2019]

1 Data Neutrality

"There is no such thing as an objective view from nowhere: rather, knowledge is situated within our perspectives and circumscribed by the limits of our experience. Therefore, data are not neutral and objective facts about the world—there is no such thing as “raw” data. Data are always collected or processed by someone, for some aim."

2 Vis Neutrality

"Visualizations often depict data as a given, a collection of facts about the world that brook no argument or disagreement. [...] The clean lines and structured layouts of traditional visualizations communicate authority and certainty in implicit but measurable ways. [...] By presenting the data (rather than the people behind the data), can result in “cruel” and “inhuman” charts."

3 Obligations

1. Visualize **hidden labour**.
2. Visualize **hidden uncertainty**.
3. Visualize **hidden impacts**.
4. Encourage "**small data**."
5. **Anthropomorphize data**.
6. **Obfuscate data** to protect privacy.
7. Support data "**due process**"
8. Act as **data advocates**.
9. **Slow** unethical analytic behaviors.

Ethical Dimensions

[Michael Correll, CHI 2019]

1. What questions do you have? What did you not understand, or were confused about?
2. To what extent do you agree or disagree with Correll's arguments and the obligations he believes we have? What are some "gray areas"?
3. How might we concretely meet these obligations in the visualizations we create?
4. Can we over-correct?

In Pairs. ~10 mins.

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OPEN VIS 2017 CONF

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 bocoup

But meh.

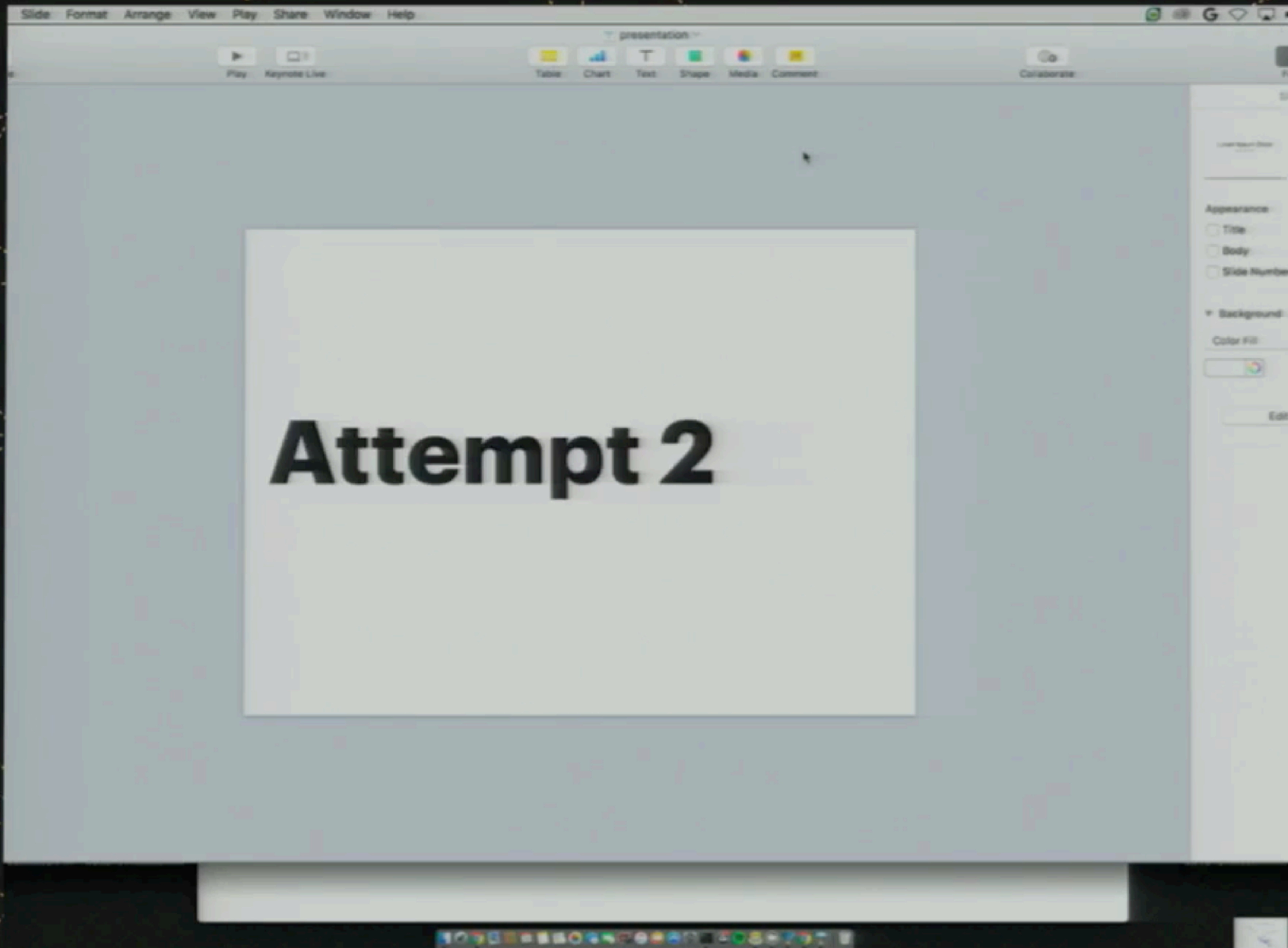


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**If viz folk were
wardens, what
would we build?**



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