Can you make the data talk to the story?

Feedback on CW1
What is the purpose?

What is the story?
Is there an argument?
Is there a decision that hinges on the patterns revealed by the data?

In view of the assurances provided by backing B, by applying warrant W, the grounds G support the claim C.
Generic strong aspects
Generic strong aspects

• Setting the rationale for data collection
Generic strong aspects

- Setting the rationale for data collection
- Attention to detail in the figures — choice of (multiple) scales, relative sizes of bars or pie-slices or bubbles
Generic strong aspects

• >> Setting the rationale for data collection

• Attention to detail in the figures — choice of (multiple) scales, relative sizes of bars or pie-slices or bubbles

• More sophisticated — sampling bias preceding processing
Generic strong aspects

• >> Setting the rationale for data collection

• Attention to detail in the figures — choice of (multiple) scales, relative sizes of bars or pie-slices or bubbles

• More sophisticated — sampling bias preceding processing

• Awareness of the literature
Generic strong aspects

• >> Setting the rationale for data collection

• Attention to detail in the figures — choice of (multiple) scales, relative sizes of bars or pie-slices or bubbles

• More sophisticated — sampling bias preceding processing

• Awareness of the literature

• Breaking the report into the the good, the bad …
Generic strong aspects

• >> Setting the rationale for data collection

• Attention to detail in the figures — choice of (multiple) scales, relative sizes of bars or pie-slices or bubbles

• More sophisticated — sampling bias preceding processing

• Awareness of the literature

• Breaking the report into the the good, the bad …

• … and too often, the beautiful
Who will win the presidency?

Chance of winning

Hillary Clinton: 71.4%
Donald Trump: 28.6%

Lots of graphs summarising different polls
What story does each graph tell?
Let the browser decide?
Choice of data visualisation: Exploratory

- I had the most difficulty assessing examples of exploratory graphics
- Needed guidance — how can the user extract data that will then support or falsify a hunch?
- Criticism of “irrelevant” features — without a defined question
- Will there be further processing needed by the viewer?
Choice of data visualisation

• Tools, not ideas
• Examples showed off capabilities of software
• Possibly (?) relevant to other coursework
• Examples the display poor execution — easy targets and obvious criticism do not showcase your skill
Data not sufficiently addressed

* T. H. Huxley, Biogenesis and Abiogenesis, Critiques and Addresses (1870)
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• Data visualisation, not mere visualisation

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Generic report writing skills

- Introductions are important — scope out your writing

This

Not something else