

Week 1 Lecture 2: Data Examples and 'The Process'

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Data 115: Introduction to Data Analytics
Fall 2020



Outline

- ① Introduction
- ② Data Examples
- ③ 'The' Data Science Process
- ④ Agricultural Case Study
- ⑤ Group Discussions



Procedural Elephant



Poll 1

How many of these answers will at least half the votes?

- 0
- 1



Poll 1.5

How many of these answers will at least a quarter of the votes?

- 1
- 2



Poll 2

How many of these answers will at least half the votes?

- 0
- 1
- 2



Poll 3

How many of these answers will at least a third of the votes?

- 0
- 1
- 2
- 3
- 4



Announcements!

- Email addresses?
- Blackboard uploads
- Due Dates
 - Weekly Assignments (Midnight Wednesday)
 - Reading Discussions (Weekend)
- Global Section Syllabus



Case study: WA AG

- Can you tell where the underlying data came from?
- Could you reproduce the cleaning and processing steps to regenerate the data set?
- What purpose does the data serve in the analysis?
- What positive aspects do the visualizations have?
- What could be improved about the visualizations?
- What follow up questions would you like to ask the analysts?
- Is the analysis convincing? Are the chosen metrics appropriate?
- Is there additional data would be helpful to extend the analysis?



Group Breakouts!



Figure: Skye and Izzy 'sharing' the couch - not a good model for group collaboration.



Group Reading Discussions

- Most Thursdays we will have a mix of discussion and practical labs taking place in a group setting.
- We'll use the Zoom breakout rooms feature and the groups will be randomly assigned.
- (starting next week!) Each group will be responsible for submitting a response to the prompt through Blackboard - the intention is to capture the outputs of the discussion, this shouldn't be something you feel like you need to spend the next several hours polishing before submitting.
- You may find it helpful to share a joint google docs link in your group to collaboratively edit.
- Time permitting, we will come back together in between readings/practical examples to discuss the experience (and particularly good insights!) as a whole group.
- Near the end of the class period, the breakout rooms will automatically close so we can wrap up for the week.

