Presentation: Assignment and Planning Sheet

Presentation Assignment

Your group's task is to create an **original visualization** that helps you to **tell a story** about the 2018 Florida midterm election recounts, and to **tell that story** to your classmates.

In doing so, you will be using Tableau to explore our Twitter data **both** with large-scale **visualizations** and by reviewing the content of **individual tweets**.

You will be complete the **Presentation Planning Sheet** below as a way to prepare the content of your presentation.

You will **present** your story to your classmates on **Thursday** during class via a **slide presentation** (using Google Slides, PowerPoint, Keynote, or another similar tool). Your presentation should:

- be no longer than **7 minutes** (this time limit is strict);
- present **two visualizations**: **one** of which may be a visualization you have already completed as part of our training exercises; and **one** of which must be an original visualization created by your group;
- relate **large-scale visualization** techniques to examination of the underlying data of **individual tweets**; and
- suggest **further questions** for exploration.

Your group will have the class period of **Tuesday, March 26 to work** together on creating your story and preparing to present it. You may need to do additional work outside of class via in-person and/or online collaboration.

Before class begins on **Thursday, March 28**, you should upload to one group member's **Duke Box** account a **file** containing:

- Your **slide presentation** (PowerPoint file, Keynote file, or similar; or if using Google Slides, please provide a link to your presentation, or export your presentation slides as a PDF and upload that PDF to the Duke Box file); and
- Exported **image files (.png format)** of **both** of your **visualizations** (even though these images will also be included within your slide presentation). If a visualization has a "tail" too long to be exported as a meaningful image, you may alternatively provide a screenshot of the Tableau worksheet for the visualization.

Share your Duke Box file with both **Emma** and **Dr. Giugni** via their email addresses: emma.davenport@duke.edu and astrid.giugni@duke.edu.

Assignment Procedure

1. As a group, choose **one** of the visualizations that you have already completed that you think raises further questions for exploration.

2. Record what **questions** this visualization raises for you, and consider how you might go about finding an answer to those questions.

3. Choose **one** of these questions to focus on.

4. Record your **hypothesis** about what the answer to this question might be.

5. Create an **original visualization** that you think might help you answer your question. Record your procedure for creating this visualization, including any false starts or "failed" attempts. Your **thought process** and **procedures** are far more important than the "success" of your resulting visualization.

6. Record your thoughts about what your new visualization **shows**. Does it answer your question? If so, was your hypothesis correct?

7. Explore how your new visualization might suggest a new focus for examining the underlying data (the **individual tweets** and their associated information).

8. Record what **further questions** your new visualization might raise.

9. Complete the **Presentation Planning Sheet** below.

10. Create your **slide presentation**.

11. **Practice** your presentation. **Time** it to ensure it is no longer than **7 minutes** long. Determine **who** will present **which part** of the presentation.

12. Make sure your **Presentation Planning Sheet** is complete and ready to be evaluated.

13. **Before class begins** on **Thursday, March 28**, you should upload to one group member's **Duke Box** account a **file** containing:
    ○ Your **slide presentation** (PowerPoint file, Keynote file, or similar; or, if using Google Slides, please provide a link to your presentation, or export your presentation slides as a PDF and upload that PDF to the Duke Box file); and
    ○ Exported **image files (.png format)** of **both** of your **visualizations** (even though these images will also be included within your slide presentation). If a

visualization has a "tail" too long to be exported as a meaningful image, you may alternatively provide a screenshot of the Tableau worksheet for the visualization.
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Presentation Planning Sheet

Introduce your presentation by explaining your objective: What is the question to which you hoped to discover an answer? What did you want to discover more about?
- *Give the talk's objective and perhaps a hint of the conclusion **right up front**.*
- *Articulate the objective on **its own slide** so we can't miss it.*
  Our question is:

  Our objective is to:

Walk us through your procedure:
- *What **visualization** served as your starting point? (include that visualization in your presentation)*
  Response:

- *What **questions** does that visualization raise?*
  Response:

- *What **one** question did you focus on trying to answer?*
  Response:

- *What was your **hypothesis** about what the answer to your question would be?*
  Response:

- ***How** did you go about creating your **new visualization**?*
  Response:

- *What does your **new visualization show**? Does it answer your question? Was your hypothesis correct?*
  Response:

- *Based on your new visualization, how would you return to a **granular examination** of **individual tweets**?*
  Response:

- *What anomalies or unexplained phenomena does your new visualization show? What **further questions** for exploration does your new visualization raise?*

Response:

Conclude by revisiting your objective and suggesting questions for further exploration.
- *Did you discover an **answer**?*
    - ***If so:*** *Was the answer what you expected? What further questions are raised by your new visualization?*
    - ***If not:*** *Why not? What further questions are raised by your new visualization?*
    Response: