D210 Representation and Reporting

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# **Part 1: Interactive Data Dashboard**

## A.  Interactive Data Dashboard

•  data integrated from both chosen data sets

•  **four** different data representations to summarize the data or display trends

•  **two** different interactive controls that allow the user to oop00opmodify the presentation of data

•  **two** different metrics or key performance indicators computed using data from both chosen data sets

## A1. Data Sets

## Provide both data sets that serve as the data source for the dashboard.

## A2. Installation Instructions

Provide step-by-step instructions to guide users through the dashboard installation.

## A3. Navigation Instructions

## Provide instructions to help users navigate the dashboard.

# **Part 2: Storytelling with Data**

B.  Provide a link to a Panopto multimedia presentation:

•  an introduction of yourself and your background

•  a summary of both chosen data sets and the context in which they occur

•  an outline of key results from your analysis of the two data sets

•  **two** different data representations to serve as supporting evidence for your results

•  a summary of actionable insights based on your results

Note: Your two data representations may come directly from your Tableau dashboard created in Part A or you may choose to use another software tool for data representation.

The audiovisual recording should feature you presenting the material on screen (i.e., not in voiceover or embedded video) and should simultaneously capture both you and your multimedia presentation.

For instructions on how to access and use Panopto, use the "Panopto How-To Videos" web link provided below. To access Panopto's website, navigate to the web link titled "Panopto Access," and then choose to log in using the “WGU” option. If prompted, log in using your WGU student portal credentials, and then it will forward you to Panopto’s website.

To submit your recording, upload it to the Panopto drop box titled “Representation and Reporting – NAM2 | D210.” Once the recording has been uploaded and processed in Panopto's system, retrieve the URL of the recording from Panopto and copy and paste it into the Links option. Upload the remaining task requirements using the Attachments option.

# **Part 3: Reflection Paper**

## C.  Write a reflection paper to demonstrate your understanding of data representation and reporting by doing the following:

## C1. Dashboard Alignment

Explain how the purpose and function of your dashboard align with the needs outlined in the data dictionary associated with your chosen data set.

## C2. Additional Data Insights

Explain how the variables in the additional data set enhance the insights that can be drawn from the data set you chose from the provided options.

## C3. Decision-Making Support

Explain **two** different data representations from your dashboard and how executive leaders can use them to support decision-making.

## C4. Interactive Controls

Explain **two** interactive controls in your dashboard and how each enables the user to modify the presentation of the data.

## C5. Colorblindness

Describe how you built your dashboard to be accessible for individuals with colorblindness.

## C6. Data Representations

Explain how **two** data representations in your presentation support the story you wanted to tell.

## C7. Audience Analysis

Explain how you used audience analysis to adapt the message in your presentation.

## C8. Universal Access

Describe how you designed your presentation for universal access by all audiences.

## C9. Effective Storytelling

Explain **two** elements of effective storytelling that you implemented in your presentation and how each element was intended to engage the audience.

## D.  Acknowledge sources, using in-text citations and references, for content that is quoted, paraphrased, or summarized.

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