Lora Milam

Western Governors University

D211 Advanced Data Acquisition

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D211 Performance Assessment

**1 Introduction**

Lora Milam Masters Data Analytics (2/10/2023) Program Mentor:d211@wgu.edu

* 1. **Link to Dashboard**

The dashboard for this Performance Assessment can be found at: <https://public.tableau.com/app/profile/mel.milam/viz/D211_PerformanceAssessment_Dashboard_LoraMilam/D210#2>

**1.2 Purpose and Function**

The primary needs outlined in the performance assessment instructions were to provide an easily navigable dashboard with broad and understandable insights to support executive decision-making. The datasets chosen for this analysis are the medical data set provided by WGU and a data set from Kaggle, Diabetes Health Indicators Dataset (Teboul). In this analysis, the charts compare readmission rates against patient demographics and pre-existing conditions. The purpose of this dashboard is to better understand how patient demographics and pre-existing conditions can affect whether a patient will be readmitted in the future.

**2 Business Intelligence Tool Justification**

The choice of Tableau as a business intelligence tool is justified due to its ease of use, strong data visualization capabilities, data integration support, scalability, advanced analytics features, supportive community, security and compliance standards, regular updates, and cost-effectiveness. These attributes make Tableau a valuable asset for businesses seeking to harness the power of data for informed decision-making.

**3 Preparation Process**

Explain the steps used to clean and prepare the data for the analysis.

**4 Preparation Process**

Summarize the steps used to create the dashboards.

**5 Results**

Discuss the results of your data analysis and how it supports executive decision-making.

**6 Limitations**

Discuss the limitation(s) of your data analysis.

**7 Supporting Documentation**

**7.1 Video**

This can be found within the attached file ‘Panopto Recording’.

**7.2 Sources**

Teboul, Alex. (2021, December). Diabetes Health Indicators Dataset, Version 1.

Retrieved December 19, 2022 from

https://www.kaggle.com/datasets/alexteboul/diabetes-health-indicators-dataset.

Western Governors University. (n.d.). D211 Advanced Data Acquisition. Salt Lake City.