**D211 Performance Assessment**

**ADVANCED DATA ACQUISITION FOR MEDICAL DATA**

Fahim A. Akbar Student ID 001434895 Masters Data Analytics (January 1, 2021) Program Mentor: Mandy Rasmuson (801) 891-6865x5957 [fakbar3@wgu.edu](mailto:fakbar3@wgu.edu)

**Part 3: Report**

**1. Purpose and function of dashboard**

The goal of this project was to construct a data dashboard aimed at allowing executive leaders to delve into medical data, recognize patterns, and analyze essential metrics. The purpose is to assist a hospital chain in evaluating patient data for insights into risks and contributing factors of stroke. The created dashboard incorporates 10,000 patient records from the hospital chain and 4190 patient records from another hospital with the focus study being on patients likelihood of stroke.

**2. Business intelligence tool selection**

The dashboard was created in Tableau. It can connect to the SQL \_

**3. Data cleaning and preparation steps**

How I cleaned the data:

How I created a table for the external data set:

A table was created for the external data set.

CREATE TABLE public."Medical\_Stroke"

(

gender varchar(12) not null,

high\_blood\_pressure integer not null,

heart\_disease integer not null,

ever\_married varchar(12) not null,

residence\_type varchar(12) not null,

bmi decimal not null,

smoking\_status varchar(24) not null,

stroke integer not null

);

ALTER TABLE public."Medical\_Stroke"

OWNER to postgres;

External data was loaded using pgAdmin:

**4. Dashboard creation steps**

The dashboard was created by

**5. Data analysis results and how it supports executive decision-making**

**6. Data analysis limitations**

>

**D. Sources:**

*Record the web sources used to acquire data or segments of third-party code used to support the application. Ensure the web sources cited are reliable.*