Capstone Project - Healthcare Analytics

Tableau Project Requirement

- The workbook should have two dashboards.

- The Workbook should have a Story consisting of several Story points based on the requirement.

- Each worksheet/view/chart should meet the business requirement.

Business Requirement

Connect to the CSV file Healthcare dataset, which includes the data regarding patients' blood pressure, BMI, glucose, insulin, and diabetes for patients from the 20+ age group. Build 2 dashboards and then create a story using the 2 dashboards and a worksheet.

Dashboard 1 Requirements

- Take any image regarding healthcare and drag it to the dashboard.

- Using Text object, give it a meaningful name based on your data analysis of the file.

Dashboard 2 Requirements

View 1: Diabetic/Non-diabetic using Shapes

- Use Shapes to show the distribution between diabetic/non-diabetic patients.

- Using the "Outcome" field, write a calculated field by classifying 1 as Diabetic patients and 0 as Non-diabetic patients.

- Show the percent distribution as shown in the expected view.

- Use the color of your choice to differentiate Diabetic Vs. Non-diabetic patients.

- Tooltip should display patient count.

View 2: Patient summary by Blood Pressure category

- Use any shape of your choice to show patient summary by blood pressure category.

- Show the Patient count and BP category type on the labels.

- Use the color of your choice to differentiate Diabetic Vs. Non-diabetic patients.

- Format as per your choice.

- Enable Action filters.

View 3: Create a Histogram to show Body Mass Index (BMI) by Age Groups.

- Since we need to build a Histogram, using the Age field, let's create bins using size 5.

- In a Histogram, you will have bins 20, 25, 30, etc. So, the bin size 20 will include age groups between 20-24, and size 25 will include 25-29. So, to be clear let's edit the aliases of the age groups as it might confuse the users. So, let's use aliases as shown below or you can create a calculated field for the Age groups.