**Visualizing Dashboard using Dash**

import pandas as pd

# Load dataset (You can replace it with any dataset of your choice)

df = pd.read\_csv('https://raw.githubusercontent.com/datasciencedojo/datasets/master/titanic.csv')

print(df)

import dash

from dash import dcc, html

from dash.dependencies import Input, Output

import plotly.express as px

# Initialize the Dash app

app = dash.Dash(\_\_name\_\_)

# Create a simple layout with dropdowns, graphs, etc.

app.layout = html.Div([

html.H1("Titanic Data Visualization Dashboard"),

# Dropdown for selecting a feature to visualize

html.Label("Select Feature:"),

dcc.Dropdown(

id='feature-dropdown',

options=[{'label': i, 'value': i} for i in df.columns],

value='Age' # Default feature

),

# Graph to display the distribution of selected feature

dcc.Graph(id='feature-graph'),

# A Bar chart for gender distribution

html.Hr(),

html.H3("Gender Distribution"),

dcc.Graph(id='gender-bar', figure=px.bar(df, x='Sex', y='Survived', color='Sex', barmode='group'))

])

# Define callback to update the graph based on the selected feature

@app.callback(

Output('feature-graph', 'figure'),

Input('feature-dropdown', 'value')

)

def update\_graph(selected\_feature):

fig = px.histogram(df, x=selected\_feature, title=f'Distribution of {selected\_feature}')

return fig

# Run the app

if \_\_name\_\_ == '\_\_main\_\_':

app.run\_server(debug=True)