**Here I have created an interactive and explanatory dashboard using the Stroke Prediction Dataset using Streamlit.**

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COE-18

import streamlit as st

import pandas as pd

import plotly.graph\_objects as go

st.title("Stroke Prediction Dashboard")

st.markdown("The dashboard will help a researcher to get to know \

more about the given datasets and it's output")

st.sidebar.title("Select Visual Charts")

st.sidebar.markdown("Select the Charts/Plots accordingly:")

data = pd.read\_csv("F:\DivyaProjects\DS Project\smoke project\demo\_data\_set.csv")

chart\_visual = st.sidebar.selectbox('Select Charts/Plot type',

('Line Chart', 'Bar Chart', 'Bubble Chart'))

st.sidebar.checkbox("Show Analysis by Smoking Status", True, key = 1)

selected\_status = st.sidebar.selectbox('Select Smoking Status',

options = ['Formerly\_Smoked',

'Smoked', 'Never\_Smoked',

'Unknown'])

fig = go.Figure()

if chart\_visual == 'Line Chart':

if selected\_status == 'Formerly\_Smoked':

fig.add\_trace(go.Scatter(x = data.Country, y = data.formerly\_smoked,

mode = 'lines',

name = 'Formerly\_Smoked'))

if selected\_status == 'Smoked':

fig.add\_trace(go.Scatter(x = data.Country, y = data.Smokes,

mode = 'lines', name = 'Smoked'))

if selected\_status == 'Never\_Smoked':

fig.add\_trace(go.Scatter(x = data.Country, y = data.Never\_Smoked,

mode = 'lines',

name = 'Never\_Smoked'))

if selected\_status == 'Unknown':

fig.add\_trace(go.Scatter(x=data.Country, y=data.Unknown,

mode='lines',

name="Unknown"))

elif chart\_visual == 'Bar Chart':

if selected\_status == 'Formerly\_Smoked':

fig.add\_trace(go.Bar(x=data.Country, y=data.formerly\_smoked,

name='Formerly\_Smoked'))

if selected\_status == 'Smoked':

fig.add\_trace(go.Bar(x=data.Country, y=data.Smokes,

name='Smoked'))

if selected\_status == 'Never\_Smoked':

fig.add\_trace(go.Bar(x=data.Country, y=data.Never\_Smoked,

name='Never\_Smoked'))

if selected\_status == 'Unknown':

fig.add\_trace(go.Bar(x=data.Country, y=data.Unknown,

name="Unknown"))

elif chart\_visual == 'Bubble Chart':

if selected\_status == 'Formerly\_Smoked':

fig.add\_trace(go.Scatter(x=data.Country,

y=data.formerly\_smoked,

mode='markers',

marker\_size=[40, 60, 80, 60, 40, 50],

name='Formerly\_Smoked'))

if selected\_status == 'Smoked':

fig.add\_trace(go.Scatter(x=data.Country, y=data.Smokes,

mode='markers',

marker\_size=[40, 60, 80, 60, 40, 50],

name='Smoked'))

if selected\_status == 'Never\_Smoked':

fig.add\_trace(go.Scatter(x=data.Country,

y=data.Never\_Smoked,

mode='markers',

marker\_size=[40, 60, 80, 60, 40, 50],

name = 'Never\_Smoked'))

if selected\_status == 'Unknown':

fig.add\_trace(go.Scatter(x=data.Country,

y=data.Unknown,

mode='markers',

marker\_size=[40, 60, 80, 60, 40, 50],

name="Unknown"))

st.plotly\_chart(fig, use\_container\_width=True)





