import pandas as pd

import dash

from dash import dcc, html

import plotly.express as px

# Load data

df = pd.read\_csv("ev\_data.csv", parse\_dates=['timestamp'])

# Create Dash app

app = dash.Dash(\_name\_)

app.title = "EV Charge and Range Dashboard"

# Layout

app.layout = html.Div([

html.H1("EV Charge and Range Analysis", style={'textAlign': 'center'}),

dcc.Graph(

id='charge-vs-range',

figure=px.line(

df, x='charge\_percent', y='range\_km',

title='Battery Charge % vs Range (km)',

markers=True

)

),

dcc.Graph(

id='range-over-time',

figure=px.line(

df, x='timestamp', y='range\_km', color='location',

title='Range Over Time'

)

),

dcc.Graph(

id='temperature-impact',

figure=px.scatter(

df, x='temperature\_c', y='range\_km', color='charge\_percent',

title='Impact of Temperature on Range'

)

),

])

# Run app

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

app.run\_server(debug=True)