

# Dash App Code: E-commerce Sales Dashboard

```
import dash
from dash import html, dcc
import plotly.express as px

# Initialize Dash App
app = dash.Dash(__name__)

app.layout = html.Div([
    html.H1("E-commerce Sales Dashboard", style={'textAlign': 'center'}),

    dcc.Graph(
        id='total-sales-trend',
        figure=px.line(df.groupby(df['date'].dt.month)['total_sales'].sum().reset_index(),
                        x='date', y='total_sales', title='Monthly Sales Trend')
    ),

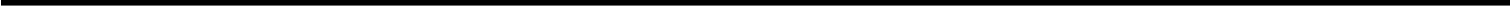
    dcc.Graph(
        id='category-sales',
        figure=px.bar(df.groupby('category')['total_sales'].sum().reset_index(),
                       x='category', y='total_sales', title='Top-Selling Categories', color='total_sales')
    ),

    dcc.Graph(
        id='payment-methods',
        figure=px.pie(df, names='payment_method', title='Preferred Payment Methods')
    ),

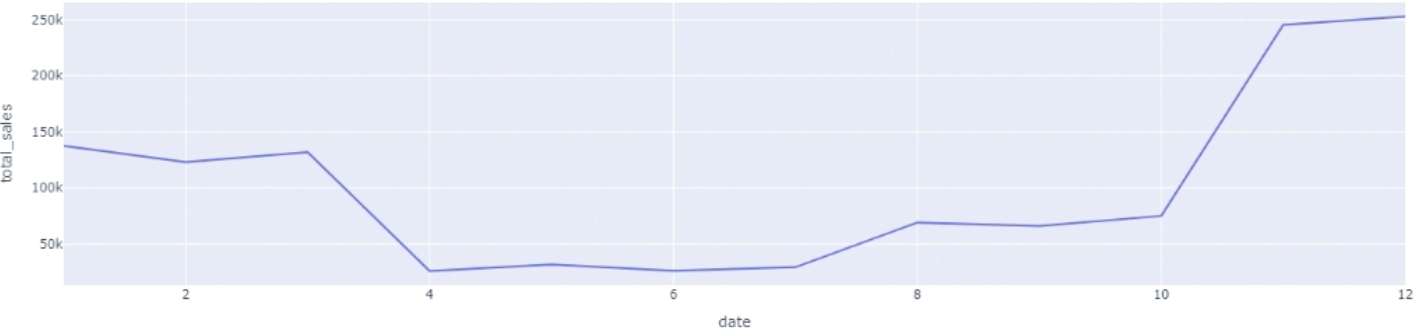
    dcc.Graph(
        id='peak-hours',
        figure=px.histogram(df, x='time', nbins=24, title='Peak Sales Hours', color_discrete_sequence=['t
    ),

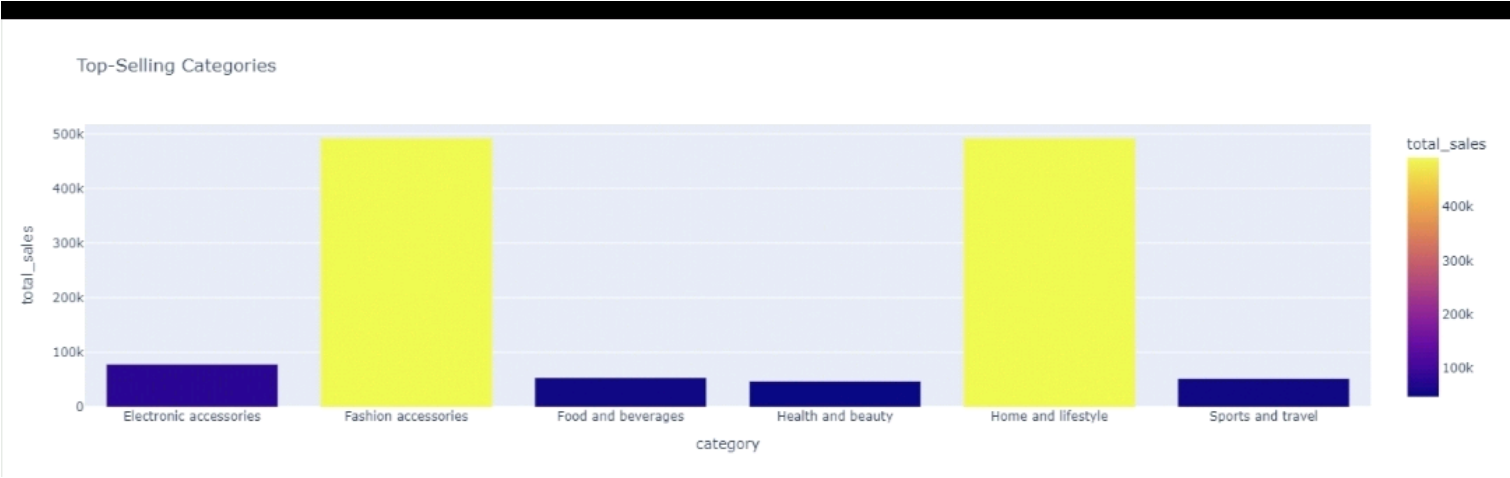
    dcc.Graph(
        id='branch-sales',
        figure=px.bar(df.groupby('Branch')['total_sales'].sum().reset_index(),
                       x='Branch', y='total_sales', title='Branch-Wise Sales', color='total_sales')
    )
])

if __name__ == '__main__':
    app.run_server(debug=True)
```



Monthly Sales Trend





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Preferred Payment Methods



