import pandas as pd

import numpy as np

import matplotlib.pyplot as plt

import seaborn as sns

import streamlit as st

from PIL import Image

logo = Image.open('logo1.png')

#pip install pandas numpy matplotlib seaborn streamlit

#to run streamlit : streamlit run weathertest.py

st.set\_page\_config(page\_title="Mobile EDA", page\_icon=":bar\_chart:", layout="wide")

st.image(logo)

st.title("Exploratory Data Analysis on Modile Dataset")

# File upload

uploaded\_file = st.file\_uploader("Choose a Mobile Dataset csv")

if uploaded\_file is not None:

data=pd.read\_csv(uploaded\_file)

st.dataframe(data)

# Define the list of names

names = ["K.Keerthi", "T.Poojitha","V.N.Karthik",”G.Sruthi”,”K.Saran Sai”,”K.Sanjay”,”K.Durga Prasad”,”G.Sanjay”]

# Add the names to the sidebar

st.sidebar.title("Project Team Members:")

for name in names:

st.sidebar.write(name)

st.sidebar.title("Under The Guidance of :")

st.sidebar.write("Dr.Bomma.Ramakrishna")

st.title("Mobile Data Analysis")

if st.checkbox("Show raw data"):

st.write(data)

if st.checkbox("Show first 25 rows"):

st.write(data.head(25))

if st.checkbox("Show shape"):

st.write(data.shape)

if st.checkbox("Show index"):

st.write(data.index)

if st.checkbox("Show columns"):

st.write(data.columns)

if st.checkbox("Show data types"):

st.write(data.dtypes)

if st.checkbox("Show unique values for 'Brands' column"):

st.write(data['Brand'].unique())

if st.checkbox("Show count of non-null values"):

st.write(data.count())

if st.checkbox("Show unique values count for each column"):

st.write(data.nunique())

if st.checkbox("Show unique models of'Apple'Brand"):

st.write(data[data['Brand'] == 'Apple'])

if st.checkbox("Show number of times 'Brand is exactly Google'"):

st.write(data[data.Brand == 'Google'])

if st.checkbox("Show number of times ' was exactly 128(GB)'"):

st.write(data[(data['Brand'] =='Oppo') & (data.Storage == 128)])