import streamlit as st

import pandas as pd

import seaborn as sns

import matplotlib.pyplot as plt

# Load the data

df = pd.read\_csv('unicorns.csv')  # החלף לנתיב שלך

# Clean valuation column (כמו שעשינו קודם)

df.columns = df.columns.str.strip()

df['Valuation ($B)'] = df['Valuation ($B)'].astype(str).str.replace('[^0-9.]', '', regex=True)

df['Valuation ($B)'] = pd.to\_numeric(df['Valuation ($B)'], errors='coerce')

# Year column

df['Date Joined'] = pd.to\_datetime(df['Date Joined'], errors='coerce')

df['Year Joined'] = df['Date Joined'].dt.year

st.title("Unicorn Startups Analysis 🦄")

st.subheader("1. Number of Unicorns by Country")

top\_countries = df['Country'].value\_counts().head(10)

fig1, ax1 = plt.subplots()

sns.barplot(x=top\_countries.values, y=top\_countries.index, ax=ax1)

st.pyplot(fig1)

st.subheader("2. Valuation by Industry")

top\_industries = df['Industry'].value\_counts().head(10).index

filtered\_df = df[df['Industry'].isin(top\_industries)]

fig2, ax2 = plt.subplots()

sns.boxplot(x='Industry', y='Valuation ($B)', data=filtered\_df, ax=ax2, showfliers=False)

plt.xticks(rotation=45)

st.pyplot(fig2)

st.subheader("3. Unicorns Founded per Year")

unicorns\_per\_year = df['Year Joined'].value\_counts().sort\_index()

fig3, ax3 = plt.subplots()

sns.lineplot(x=unicorns\_per\_year.index, y=unicorns\_per\_year.values, marker='o', ax=ax3)

st.pyplot(fig3)