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!pip install google-api-python-client
from googleapiclient.discovery import build
import pandas as pd
import seaborn as sns
from matplotlib import pyplot as plt
import json

api_key = 'AIzaSyDt-sdpHBBr-LZJYFbYTWmFbKqS561xxv4'
youtube = build('youtube', 'v3', developerKey=api_key)
channel_id = [
    "UCJIfeSCssxSC_Dhc5s7woww", # lex clips
    "UCeVMnSShP_Iviwknt83cww", # code with harry
    "UCHAK6CyegY22Zj2GWrcaIxc", # Tech Vision
    "UCzFaxt7hgSHoQVU1GbHyK0Q", # NKTechOfficial
    "UCTB_Mn10B2ZL3RUnPteVKqA", # TopprClass810
    "UCyHta2dyCTkf29AB67AYn7A", # 5MinutesEngineering
]

def get_channel_stats(channel_id):
    all_data = []
    request = youtube.channels().list(
        part='snippet,contentDetails,statistics',
        id=', '.join(channel_id))
    response = request.execute()
    for i in range(len(response['items'])):
        data = dict(Channel_name = response['items'][i]['snippet']['title'],
                    Subscribers = response['items'][i]['statistics']['subscriberCount'],
                    Views = response['items'][i]['statistics']['viewCount'],
                    Total_videos = response['items'][i]['statistics']['videoCount'],
                    playlist_id = response['items'][i]['contentDetails']
                                ['relatedPlaylists']['uploads'],

                    )
        all_data.append(data)
    return all_data

allchannelstats = get_channel_stats(channel_id)

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allchannestats

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[{'Channel_name': 'Toppr Class 8-10',
  'Subscribers': '239000',
  'Views': '21756461',
  'Total_videos': '1429',
  'playlist_id': 'UUTB_Mn10B2ZL3RUnPteVKqA'},
{'Channel_name': 'Tech Vision',
  'Subscribers': '805000',
  'Views': '168858341',
  'Total_videos': '216',
  'playlist_id': 'UUHAK6CyegY22Zj2GWrcaIxc'},
{'Channel_name': '5 Minutes Engineering',
  'Subscribers': '439000',
  'Views': '63570930',
  'Total_videos': '1604',
  'playlist_id': 'UUyHta2dyCTkf29AB67AYn7A'},
{'Channel_name': 'CodeWithHarry',
  'Subscribers': '3800000',
  'Views': '495971182',
  'Total_videos': '2010',
  'playlist_id': 'UUeVMnSShP_Iviwkknt83cww'},
{'Channel_name': 'NkTechOfficial',
  'Subscribers': '105000',
  'Views': '2259554',
  'Total_videos': '105',
  'playlist_id': 'UUzFaxt7hgSHoQVU1GbHyK0Q'},
{'Channel_name': 'Lex Clips',
  'Subscribers': '853000',
  'Views': '263223928',
  'Total_videos': '4990',
  'playlist_id': 'UUJIfeSCssxSC_Dhc5s7woww'}]
```