**DATA VISUALISATION PACKAGE**

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ABSTRACT:

This package provides an analysis of Youtube, the top video-sharing website. Data was obtained from Youtube through web scraping using API. This data includes information such as total view counts, like count, time duration of each video among other statistics. At a time, we can compare three different youtube channels and get insights from plots such as bar plot, pie chart etc. Most viewed videos of each entered channel are also shown in a tabular form.

**MODULES & LIBRARIES USED:**

Front end: HTML, CSS, and bootstrap

Back end: python flask

Libraries: pandas, matplotlib, seaborn

Web scraping lib: googleapiclient, google\_auth\_oauthlib

**WEBSITE FROM WHICH DATA IS SCRAPED: YOUTUBE**

LINK: https://www.youtube.com

**VISUALISATION & INSIGHTS:**

**Bar plots:**

1. **Video counts per channel**
2. **Clickable and non-clickable links in description**

**Pie chart:**

1. Like counts per channel

**GENERAL OUTPUT:**

At the end of this analysis, we get to know which channel among the three is growing, more popular among the audience.

And what are all the factors that affect the growth of a youtube channel.