

**Project Title:** YouTube Trending Video Analysis (India) **Introduction:** This project explores YouTube's trending videos in India to find which types of content get the most attention. The goal was to study which categories and channels appear most often and how views, likes, and comments are related. **Tools Used:** Python (Pandas, Matplotlib, Seaborn, TextBlob) **Steps Involved:** 1. Loaded and cleaned the dataset by removing duplicates and missing values. 2. Mapped category IDs to category names for easier understanding. 3. Analyzed which categories and channels trend the most. 4. Visualized the data using bar charts, scatter plots, and heatmaps. 5. Checked correlations between views, likes, and comments. 6. Performed a simple sentiment check on video titles. **Key Insights:** - Entertainment and Music were the top trending categories. - Videos with higher views also had more likes and comments. - Most trending video titles had a neutral or positive tone. **Conclusion:** The analysis helped understand what drives videos to trend in India. Using simple Python tools, meaningful insights were drawn without using complex machine learning models.