SUMMARY OF TASKS PERFORMED

Regarding: Perform Exploratory Data Analysis on the dataset provided and analyse all the relationships between views, likes, dislikes and comments. Of course you can use other features of the data to support your analysis.

- Task 1
  As the likes and dislikes alone cannot be taken as parameters for analysis hence added a column in the workbook named as likes – dislikes
  Result:
  In the excel file of "CatagoryWiselikes-Dislikes" compared how much likes-dislikes does each category of video has which resulted us to the conclusion that category 10 has highest likes – dislikes. Category 10 is of Music (data from json file)
- Task 2
  Created a new column of (likes-dislikes)/views. So that if a video has more likes-dislikes w.r.t ratio of views (case may happen with an awesome video but not from famous channel)
  Result:
  Found out some channels which were not so famous but publishing awesome videos.
- Task 3
  Plotted likes-dislikes versus videos (plot shown with the name of Analysis-EachVideo) to know the best popular video trending. **Task performed using R**
  Result:
  Plot shows some best popular videos trending
- Task 4
  Studied co-relation between views, likes, dislikes, comments, likes-dislikes, (likes-dislikes)/views. **Task performed using R**
  Result:
  Nice correlation between views-likes and comments-(likes-dislikes)
- Task 5

Formed pivot table using **MS-Excel** to study relationship between dates and number of views

Result:

Due to week days that is Monday and Tuesday there were very less views on 17th and 18th of September

- Task 6

  Formed pivot table using **MS-Excel** to study category wise comments and views

  Result:

  In the category of entertainment although people watch a large number of videos but still prefer to not comment

Regarding: Perform Sentiment Analysis on the comments for each video and tag them with a sentiment.

(**Have a look at Sentimental Analysis Python file**)

- Task 1

  Cleaned the Data, removed special marks and characters.

  Result:

  Data ready for model
- Task 2

  Applied TextBlob library for Sentimental analysis.

  Result:

  Able to analyze sentiments of comments.
- Task 3

  Defined rating as the new parameter which is uniquely defined for each video.

  Rating = Positive comments – negative comments

  Result:

  Get rating for each video so that each video can be compared with another
- Task 4

  Exported final result in excel file named as ResultSentimentalAnalysis containing video_id and their rating

  Result:

  Result can be seen in the excel file.