EDS Activity 1

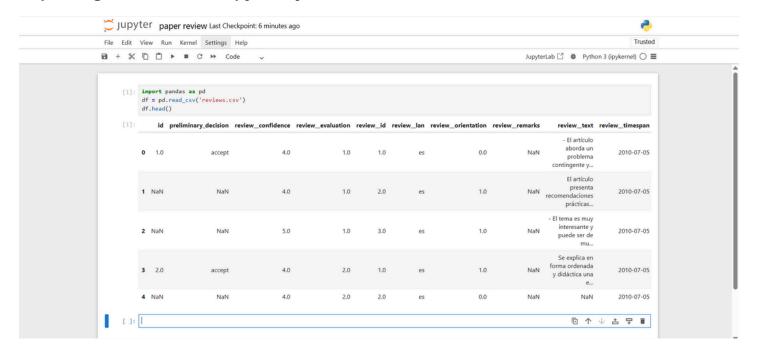
Name: Vedant Madankar

PRN: 202401040291

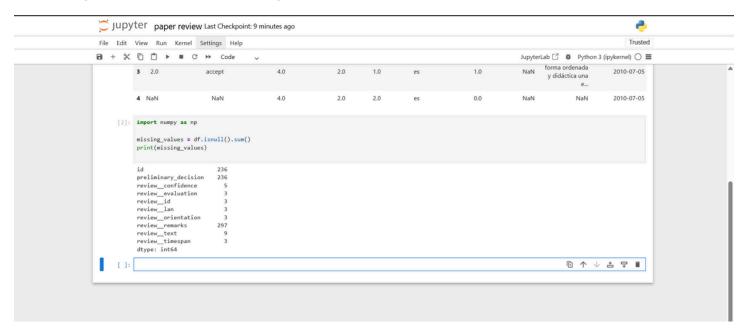
Roll No.: CS3-20

Dataset: Paper Review

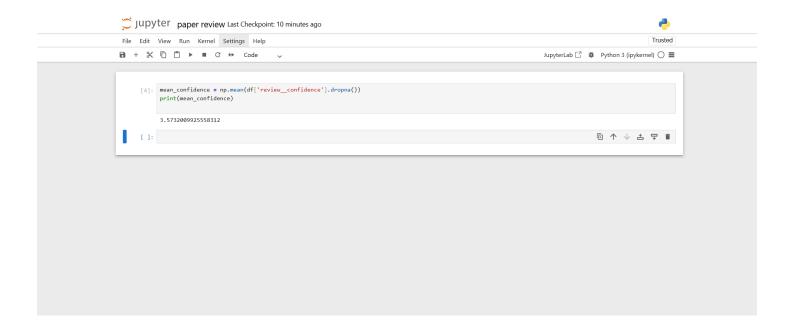
Importing dataset into Jupyter Python Notebook



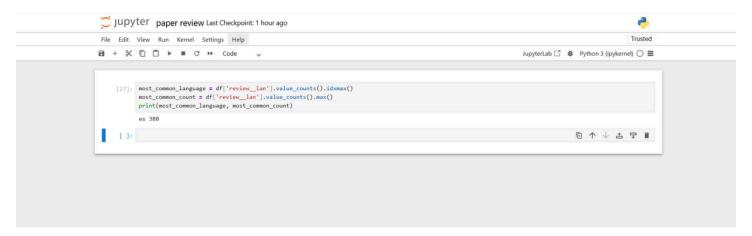
1. Finding the number of missing values in each column.



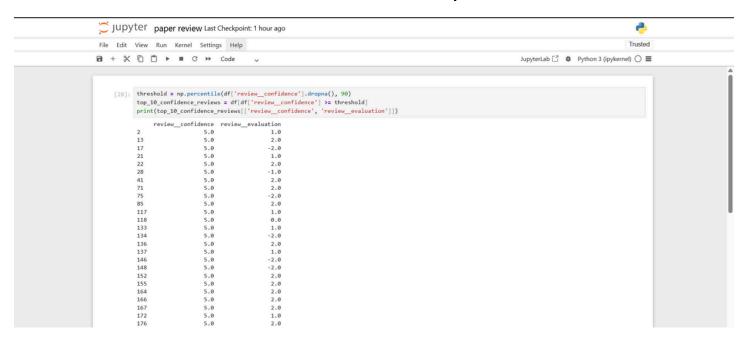
2. Calculation of mean of the review confidence scores.



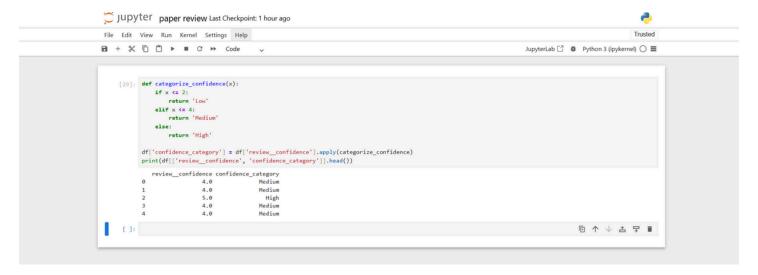
3. Find the most common review language and how many times it appears.



4. Filter reviews where review confidence is in the top 10% of all values.



5. Create a new column confidence category:



6. Find the average review evaluation for each confidence category.



7. Find the 5 reviews with the highest confidence and their evaluation scores.



8.Calculate how many preliminary decisions are missing and what percentage that represents.



9.Create a summary dataframe with counts of 'Low', 'Medium', and 'High' confidence categories.

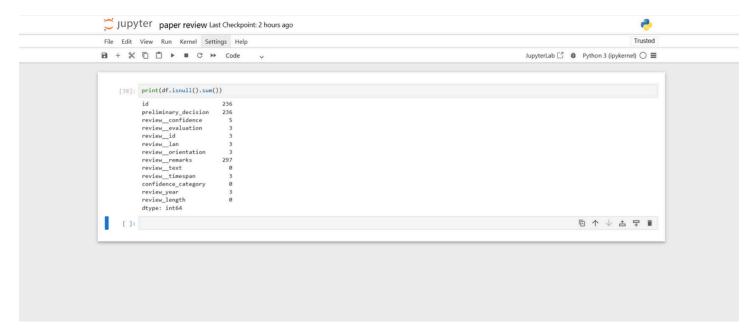


10.Identify columns where more than 30% of the data is missing. List those columns.



11.Calculate the interquartile range (IQR) of review evaluation and identify outlier reviews.

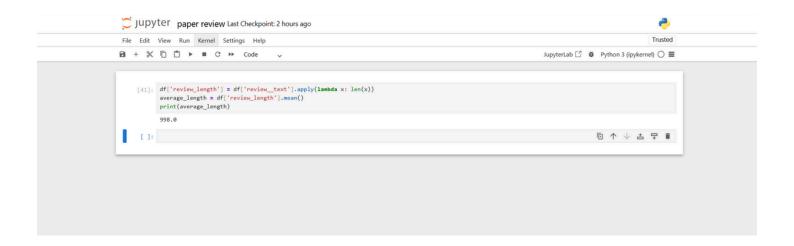
12. Find the number of missing values in each column.



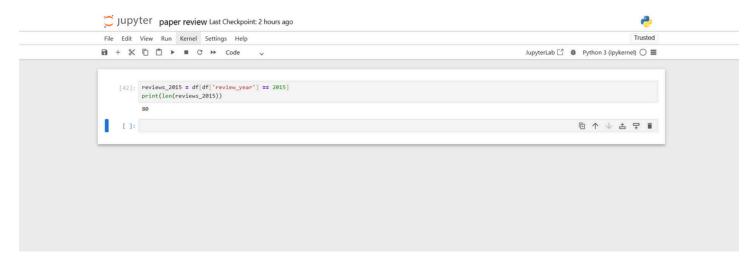
13. Check if any duplicate review texts exist.



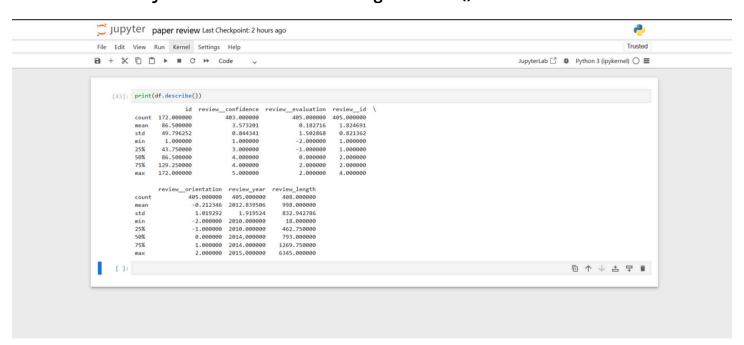
14. Find the average length of review texts.



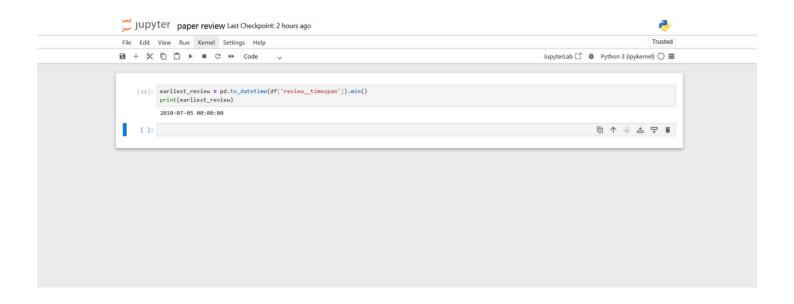
15. Find the number of reviews written in the year 2015.



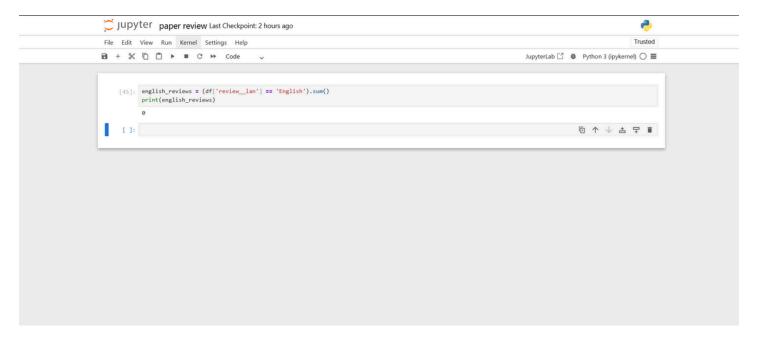
16.Get a summary of numeric columns using describe().



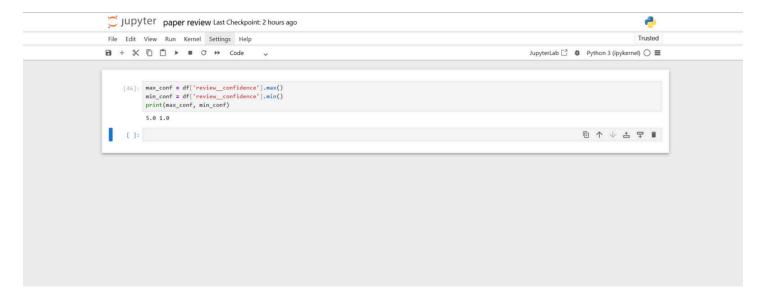
17. Find the earliest (oldest) review date.



18. Find how many reviews are written in English.



19. Find the maximum and minimum review confidence values.



20. Find the top 3 preliminary decisions having the highest average review evaluation.

