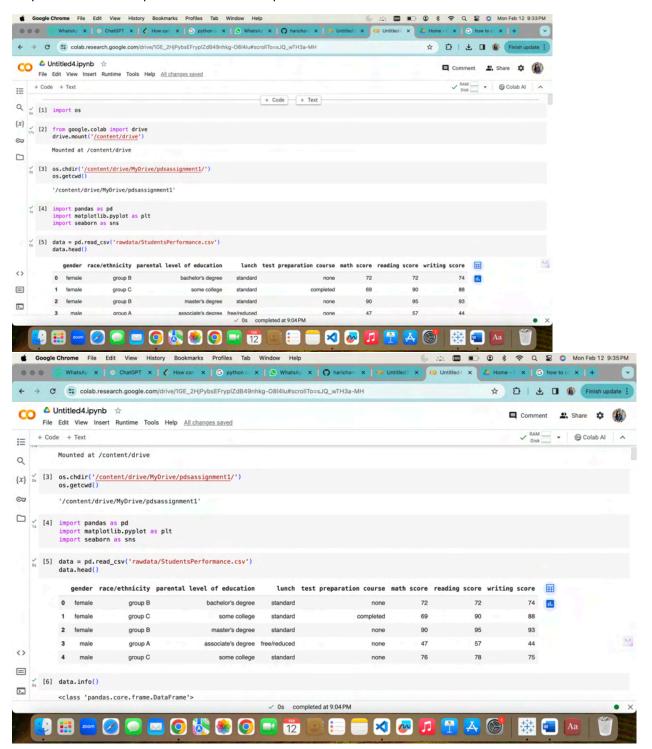
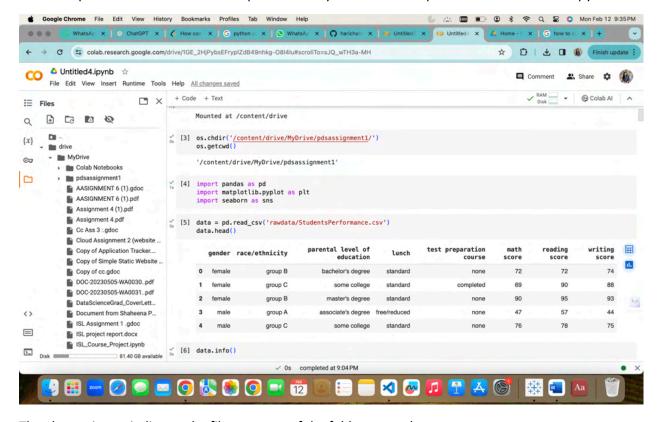
2) Perform 5 data visualization tasks on the student performance dataset given in the link below (create 5 different visualizations). Explain what kind analysis has become easier with each of the visualizations. Create the folder structure for this question like question 1. (15 points)

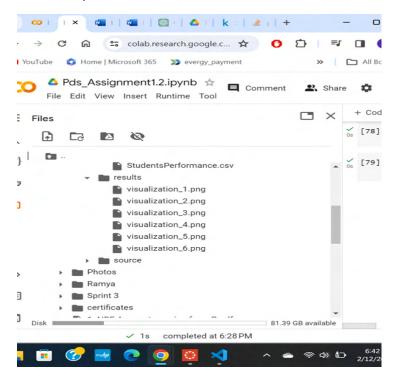
Step 1:Collection of input data from csv file provided.



Above step indicates the utilization of pandas library to load studentperformance.csv file into python

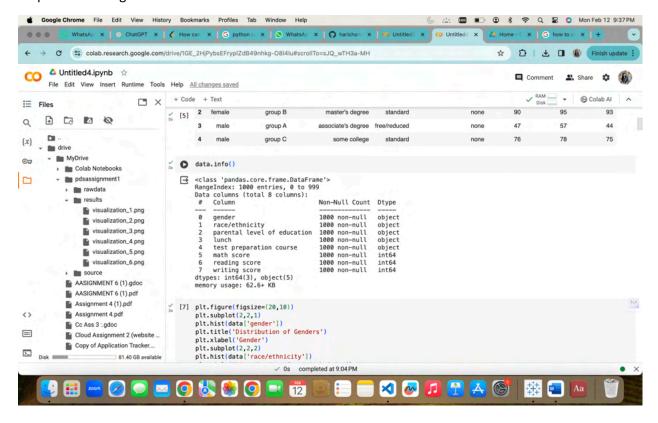


The above picture indicates the file structure of the folder created.

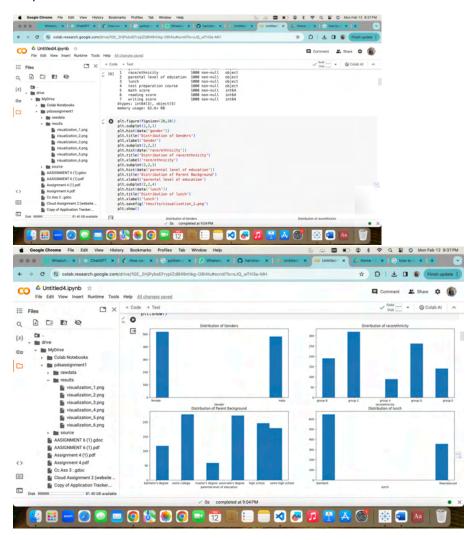


This is the file structure indicates the final folder structure with all data visualization images obatined.

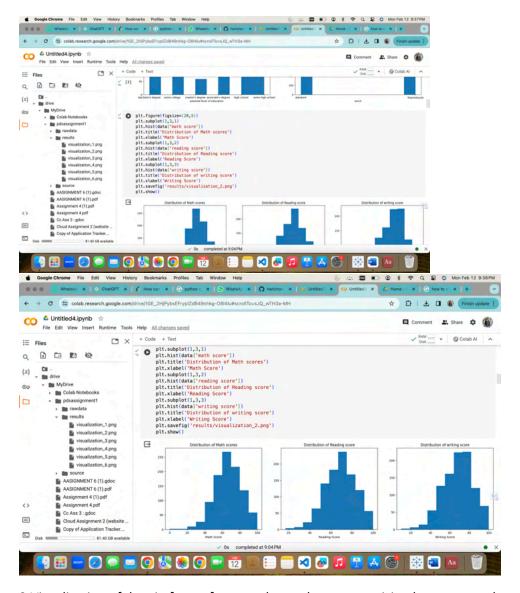
## Step 2: Processing of the data



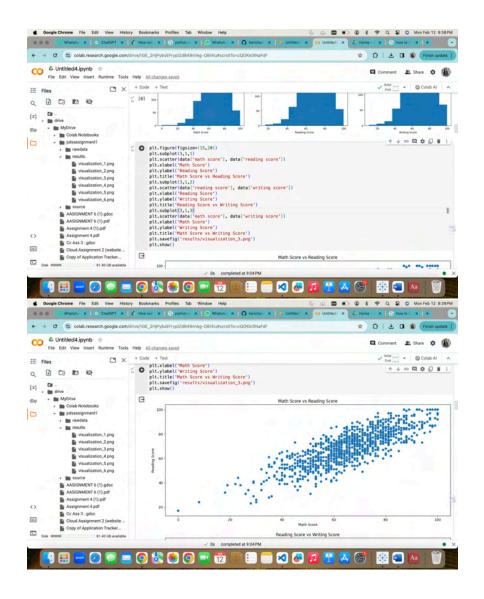
## Step 3: Visualizations of data

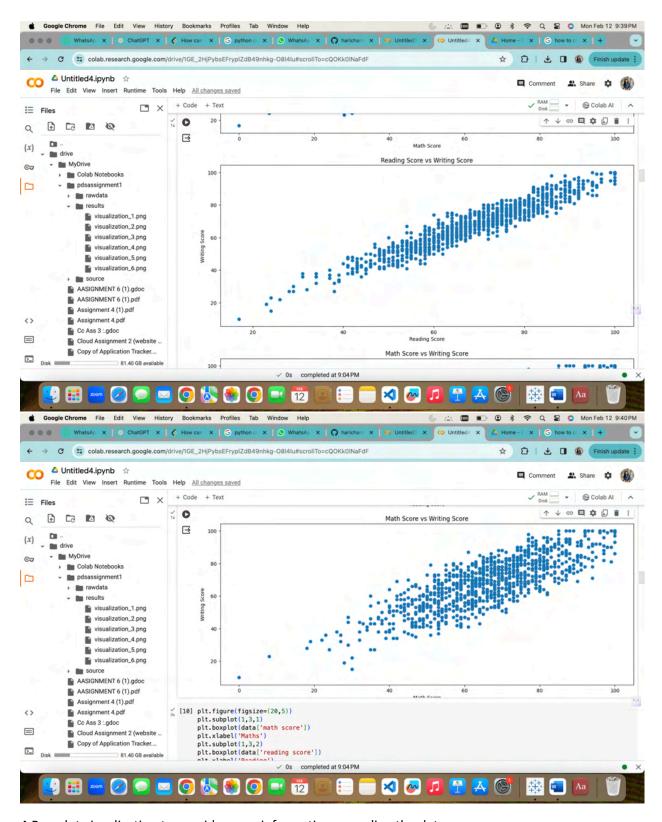


2. Visualization to show distribution between the maths, reading and writing scores on a bar graph

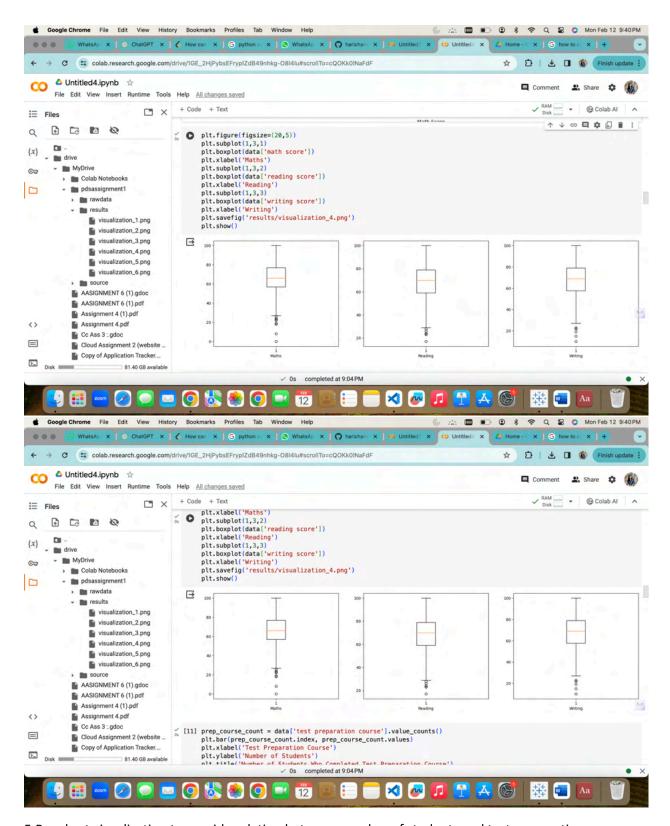


3. Visualization of data in form of scatterplot to show comparision between maths vs reading vs writing scores.

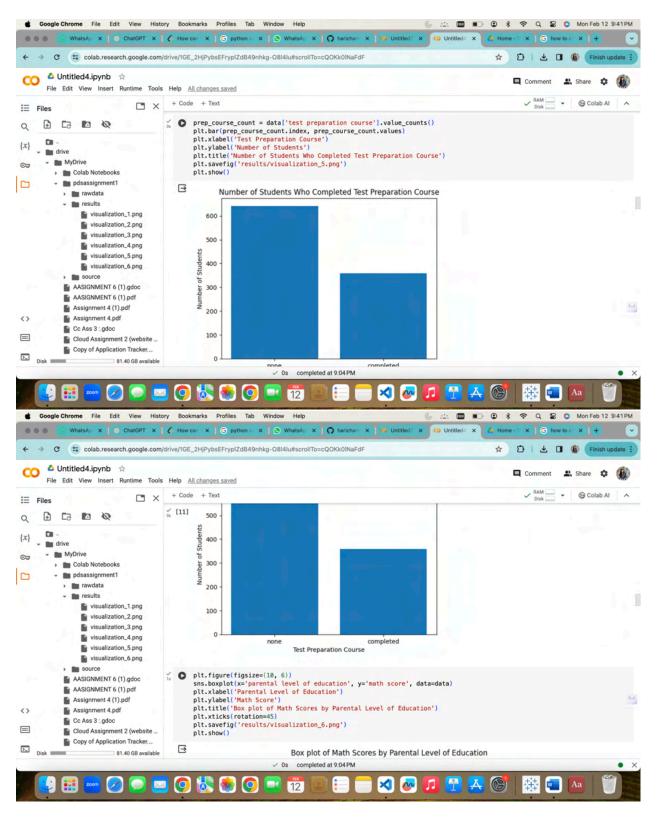




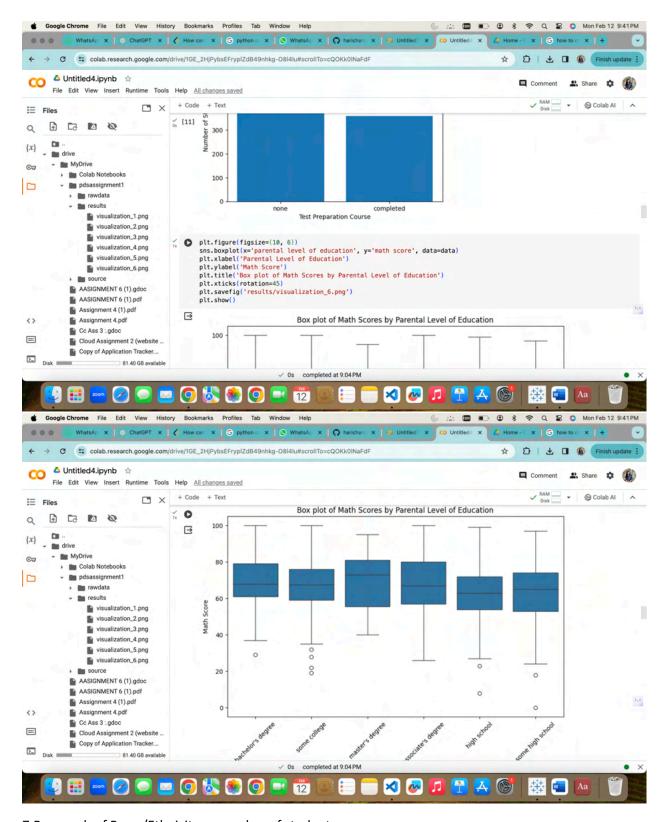
4.Box plot visualization to provide more information regarding the data.



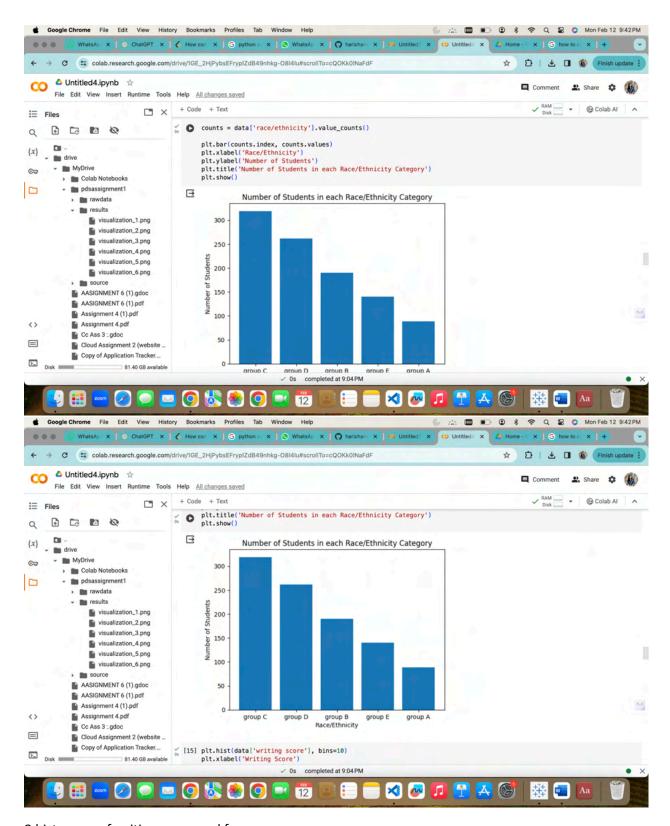
5.Bar chart visualization to provide relation between number of students and test preparation course.



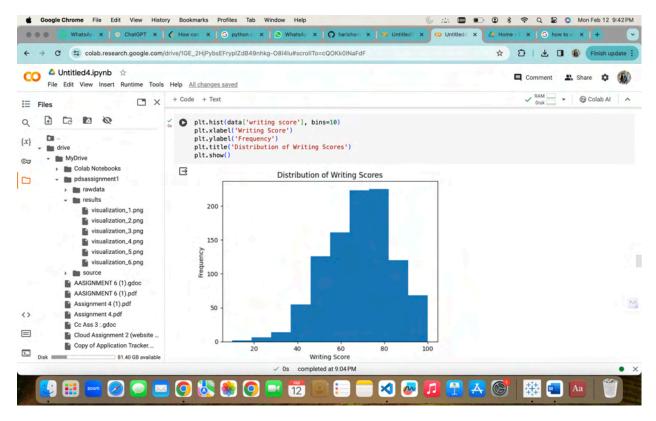
6.Box Plot Visualization ,this visualization can help identify whether there is a differnce in test scores between students whose parents have different levels of education.



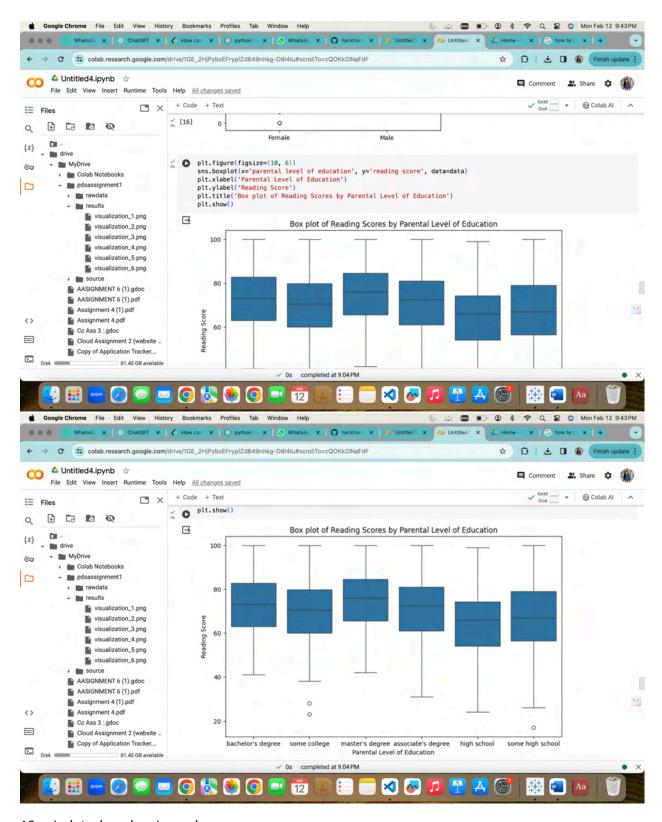
7.Bar graph of Race /Ethnicity vs number of students



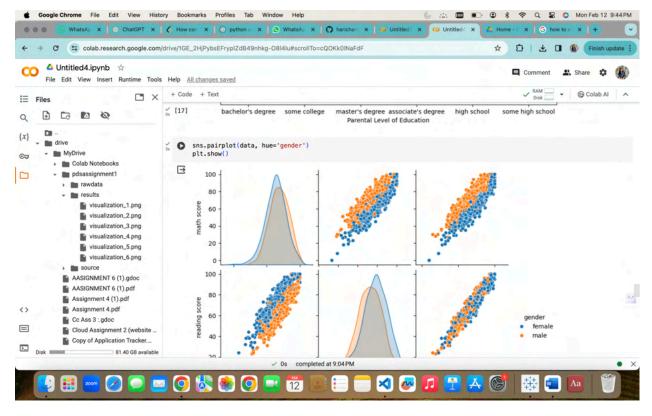
8.histogram of writing score and frequency



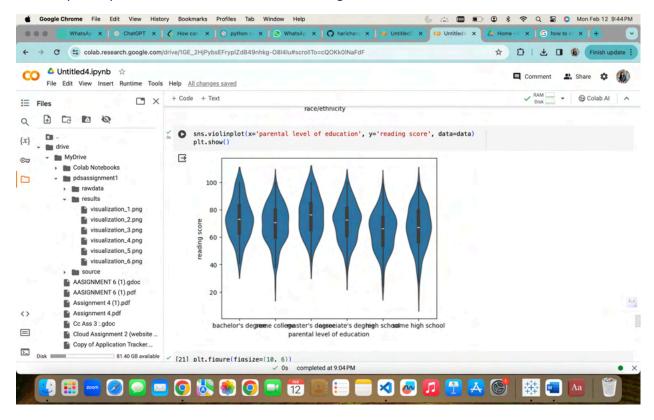
9.Box Plot of reading scores by parental level of Education



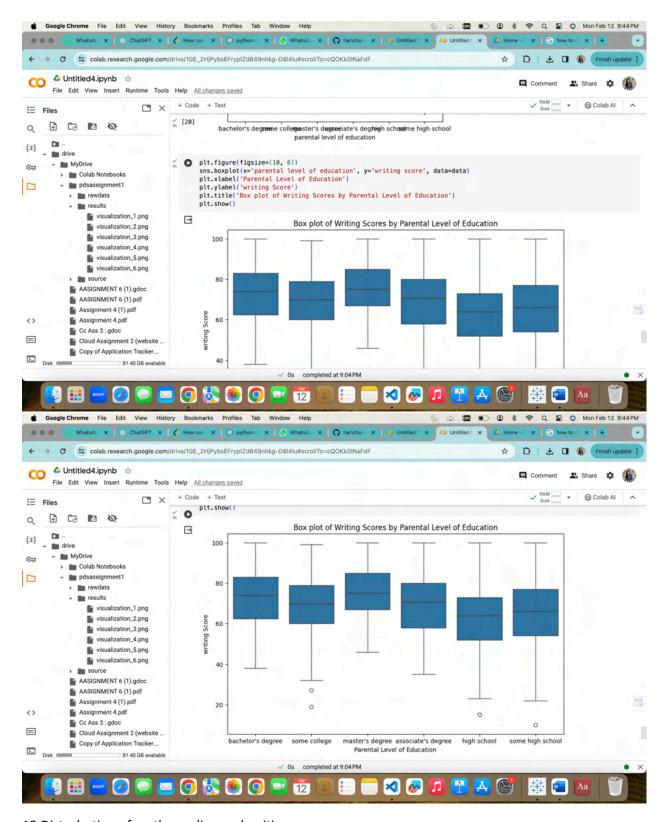
10.pairplot where hue is gender.



11.volin plot of parental level of education and reading score.



12. Box plot of writing scores by parental level of Education



13. Distrubution of math , reading and writing scores.

