

Matplotlib Library, Assignment

Task#01 Create a bar chart visualizing the number of students in each different subject. The x-axis should represent the subject names, and the y-axis should show the count of students enrolled in each subject. Make sure to label the axes clearly and give the chart an appropriate title.

Task#02: Generate a line chart showing the trend of the average score for each grade level. The x-axis should represent the grade levels (9, 10, 11, 12), and the y-axis should display the average score for the students in each grade. Label the axes appropriately and add a title to the chart.

Task#03: Create a pie chart illustrating the proportion of students belonging to each grade level. Each slice of the pie should represent a grade (9, 10, 11, 12), and the size of the slice should correspond to the percentage of students in that grade. Include clear labels for each slice indicating the grade and its percentage. Add a suitable title to the pie chart.

Task#04: Produce a scatter diagram to explore the relationship between the Age of the students and their Scores. Plot Age on the x-axis and Score on the y-axis. Each point on the scatter plot will represent a student. Add labels to both axes and give the chart a relevant title