**Assignment-1**

**Sai Charan Reddy Chevula**

**16377459**

**Data visualizations**

* Average Reading Score by Gender: Compared to male pupils, female students had higher average reading scores.
* Distribution of Math Scores: A normal or slightly skewed distribution is suggested by the math scores' predominant middle-range centring.
* Effect of Test Preparation Course on Writing Scores: Students who have taken a test preparation course typically score higher on writing assessments.
* Gender Differences in Reading and Writing Scores There is a substantial correlation between reading and writing results, and female pupils do better in both areas.
* Math Scores by Race/Ethnicity: Some racial/ethnic groups have greater math scores than others, which may be a reflection of educational or socioeconomic disparities.