**Homework 4 Report**

-The code starts with importing matplotlib, numpy, pandas, and seaborn.

-Code imports data and divides the data as requested.

-Minimum and maximum value is calculated.

-left and right borders are calculated

-G value is calculated for regressogram by the formula used in the lab. And the data points are plotted

-rmse is calculated for regressogram by the formula given in the book

-G value is calculated for running mean smoother by the formula used in the lab. And the data points are plotted.

-rmse is calculated for running mean smoother by the formula given in the book

-G value is calculated for kernel smoother by the formula used in the lab. And the data points are plotted.

-rmse is calculated for for kernel smoother by the formula given in the book.