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My pair and I have decided still in class that we would do researches and data analyses about crime in Ireland, we both have searched for the dataset as the first part of the assessment, I was the one who found the dataset from the one website owned by the government, after finding the dataset we start applying some data exploration techniques, my pair was responsible to do the data overview, data cleaning and the first plot to have something to be visualized, so I have started my work on RStudio calculating the statistical parameters (mean, median, minimum, maximum, and standard deviation) for each of the numerical variables included in the dataset, I have then applied Min-Max Normalization, Z-score Standardization and Robust scalar on the numerical data variables, creating a tables that would eventually help us to find outliers in the dataset, then I start to create plot to analyse and visualise some data, so I have created three different plot (Line, Scatter, and Heatmap), however those three plot have the same purpose, which is to create a visualisation to a specific type of crime ("Attempts/threats to murder, assaults, harassments and related offences"), in a specific Garda station in Ireland located in Limerick over the years (2003 – 2022), so we could visualise the same data in different ways. I have also included all of this work into the report, which can be found from the table content as "Statistical Parameters (mean, median, minimum, maximum, and standard deviation)", "Min-Max Normalization, Z-Score Standardization and Robust Scalar", and "Line, Scatter, and Heatmaps", and each of these sections I have explain in details what I have done and what is the purpose of each section in the code, including an analyse to the result of each one of them, and even though we have separated the assessment so we could have done the work in an easier way we have review each other part in the assessment which helped us to have a better understanding of all the assessment, as a result we have decided to finished the assessment together by implementing for last the conclusion of the assessment in the report by summing up all the job we have done, then before submitting the assessment into Moodle, I was responsible for reviewing the code in R, making sure that it was perfect to be submitted.