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CS871: Unit II Individual Project

Submitted in Partial Fulfillment of the Requirements for

CS871

Advanced Quantitative Analysis

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by

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# Assignment

For this local polynomial regression, you will use the "oldfaithful.csv" from the open-source data that you downloaded in the previous Discussion Board (these are the open-source data that you downloaded in the previous discussion).

Complete the following

* Produce density histograms of eruption times and of waiting times.
* Produce a smoothed density histogram from local polynomial regression.
* Discuss each step of the R code to show eruption times and waiting times.
* Discuss the results of the local polynomial regression.
* In your discussion, compare local polynomial regression to regular regression.

The deliverable for this assignment consists of 5 or 6 pages of code, results, plots, tables, and discussion.

# Loading the Data

References