

## Data Project 2 Part 1

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After running the program (DataProject2Part1.py) which pulls the data values from the API and stores them in a database (pi\_data.db) and observing the data, the observed pattern of the factor value is the cube of the minute in which the API is on. Viewing Figure 1, this fact about the factor value can be observed as true as seen by the clear cubical increase in the plotted

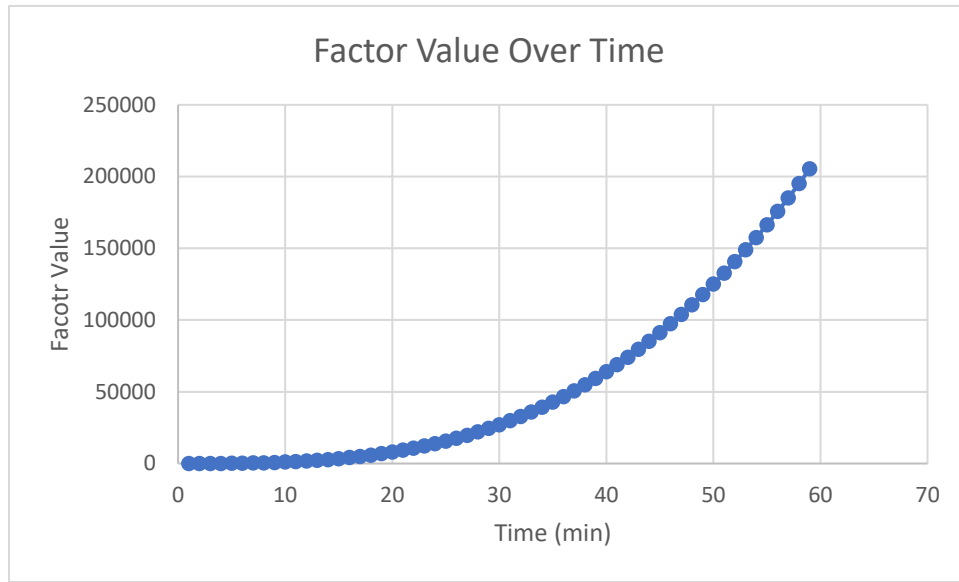


Figure 1: Factor Value Over Time

graph. As for the pi value, it seems that there wasn't any clear pattern or correlation of the value changing over time. The only observation that can be made is that for the :00 and :01 times, the pi value steeps at four for both minutes. Viewing Figure 2, these facts about the pi value can be observed as true as seen by the value very minimally changing over time (negligible difference).

