

1. Describe any patterns or changes in the data over time:
 - a. Given the data itself as well as the plot that is shown in the Github repository, we are able to recognize some patterns in the data over the hour in which the query took place. Our 'factor' variable has an exponential curve to it while the 'pi' variable oscillates around the exact value of pi. As the hour progresses, these oscillations get smaller and smaller, focusing on the true value of pi.
2. Explain the logic of these changes:
 - a. After some more analysis of the data and the graph, the 'factor' variable can be explained by cubing the 'minute' variable of the time. This pattern was found by determining an exponential curve and then looking at the relationship between the three variables. After observing these relationships, it can be determined that the 'factor' variable is equal to the 'minutes' cubed (ex. Time: 01:12:16.00000, $12^3 = 1728$, 'variable' = 1728).
 - b. The oscillation of the 'pi' value required some more deep digging; however after some deliberate thought, it seems like the value of 'pi' is calculated using an approximation method using 'variable'. As the value of 'variable' increases, the approximation gets more proximal to the true value of pi. Additionally, the majority of approximation methods oscillate above and below the target value as the values increase.