Capstone Project in Python:-

Perform a service request data analysis of New York City 311 calls.

➤ *Import a 311 NYC service request.*

➤ *Read or Convert the columns 'Created Date' and Closed Date' to datetime datatype and create a new column 'Request_Closing_Time' as the time elapsed between request creation and request closing. (Hint: Explore the package/module datetime) in seconds*

➤ *Provide major insights/patterns that you can offer in a visual format (graphs or tables). At least 4 major conclusions that you can come up with after generic data mining.*

➤ *Order the complaint types based on the average 'Request_Closing_Time' grouping them for different locations.*

➤ *Perform statistical test for the following:*

Please note: For the below statements you need to state the Null and Alternate and then provide a statistical test to accept or reject the Null Hypothesis along with the corresponding 'p value'.

○ *Whether the average response time across complaint types are similar or not (overall)*

○ *Is the type of complaint or service requested and location related?*