Researching traffic signal timings at intersections, particularly focusing on the optimal signal timing, which was found to be around 90 seconds.

Objective: The goal of this analysis appears to be to determine the optimal traffic light timing for an intersection to improve traffic flow.

Data Collection: The data might involve timings from the traffic signals at the selected intersection or could include traffic flow data collected through MTA bus. I have collected around 6 hours M4, M11 and M104 which is across 120st and Broadway, 120st and Amsterdam Av

Analysis:

Signal Timing Comparison: The analysis includes a comparison of different traffic signal intervals. It seems that the 90-second interval was particularly highlighted, possibly due to its effectiveness in reducing wait times or improving flow.
Historical Data Evaluation: I evaluated historical data from the traffic system to assess how different signal timings impacted traffic dynamics. This might involve statistical tests or simulation models.

Conclusion:

Optimal Timing Endorsement: From the research, it appears that the conclusion was that a traffic signal interval near 90 seconds is optimal for the studied intersection. This conclusion could be based on metrics like reduced average wait times, increased traffic throughput, or improved safety.
Such findings could be used to inform traffic management policies or to implement smart traffic light systems that adapt to real-time traffic conditions.