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GRAPH #1:

This graph shows the average high and low temperatures for each month in Flatbush. The main pattern is that both the high and low temperatures increase from winter into summer and then decrease again in the fall and winter. The warmest months occur in the middle of the year, while the coldest months are at the beginning and end of the year. One thing that surprised me was how smoothly the temperatures change from month to month without any sudden spikes or drops. This shows that seasonal temperature changes happen gradually rather than abruptly.

GRAPH #2:

This graph displays the record high and record low temperatures for each month. A clear pattern is that summer months have much higher record highs, while winter months have much lower record lows. The difference between the highest and lowest bars shows how extreme temperatures can be compared to the monthly averages. was surprised by how low the record lows were in certain months. This shows that extreme weather events can be very different from normal conditions.

GRAPH #3:

This graph shows how snowfall is distributed across different months of the year. Most of the snowfall occurs during the winter months, while several months have little to no snowfall at all. The pattern clearly shows that snow is seasonal and concentrated in only a few months. The winter months take up the largest portions of the pie chart, while summer months barely appear. What surprised me was how uneven the distribution is. This shows how rare snow is outside of winter.

GRAPH #4:

This graph shows the temperature range for each month, calculated by using the record high and record low temperatures. The pattern shows that some months have much larger temperature ranges than others. Months with extreme weather tend to have wider ranges, while the less extreme months have smaller ones. I was surprised that some non-summer months still had very large temperature ranges. This shows that extreme temperature swings can happen at unexpected times of the year.