



New York City Dog Bite

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August 4, 2023

Today's Agenda



Executive Summary



Key Findings



Recommendations



Conclusion

Executive Summary



Goal

Forecast weekly dog bites in New York City to help with resource allocation to mitigate bite risk and receive early treatment.



Findings

Summer and weekends have the highest average bite overall.

Queens, Manhattan and Brooklyn have the highest bite counts.

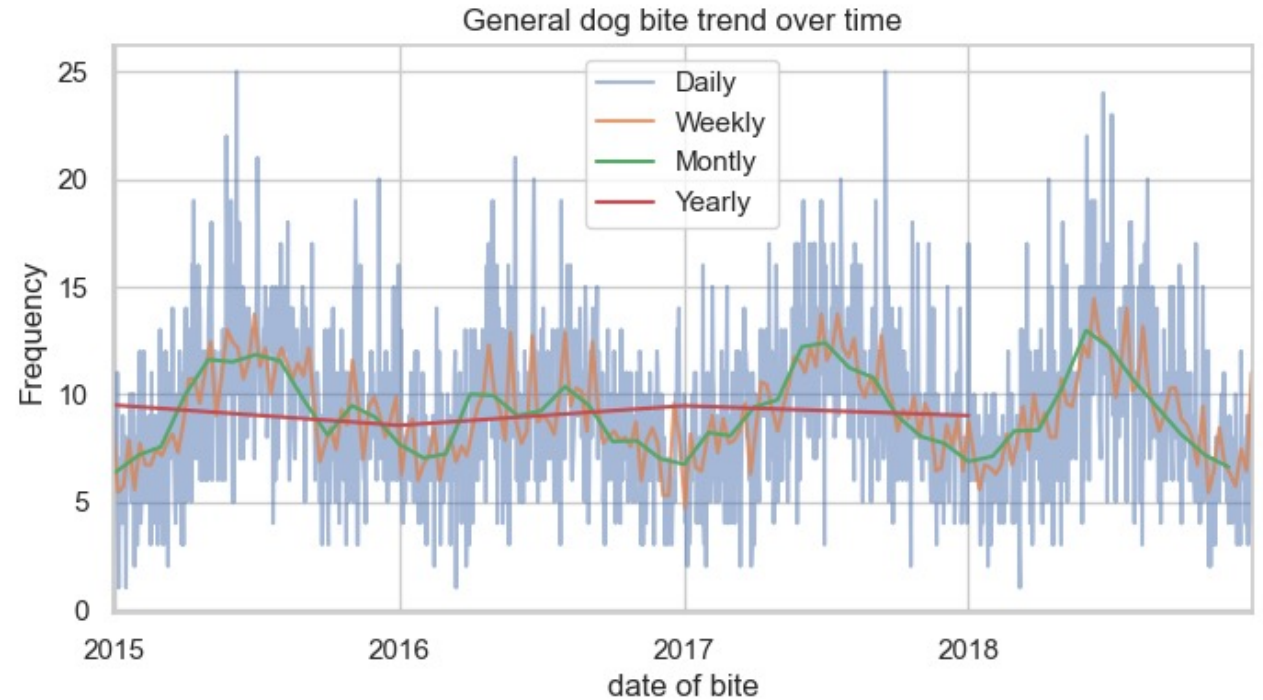


Recommendations

I recommend the local authorities to remain diligent and on high alert during the weekend and especially more flexible in the summer due to high bite rates show in the data.

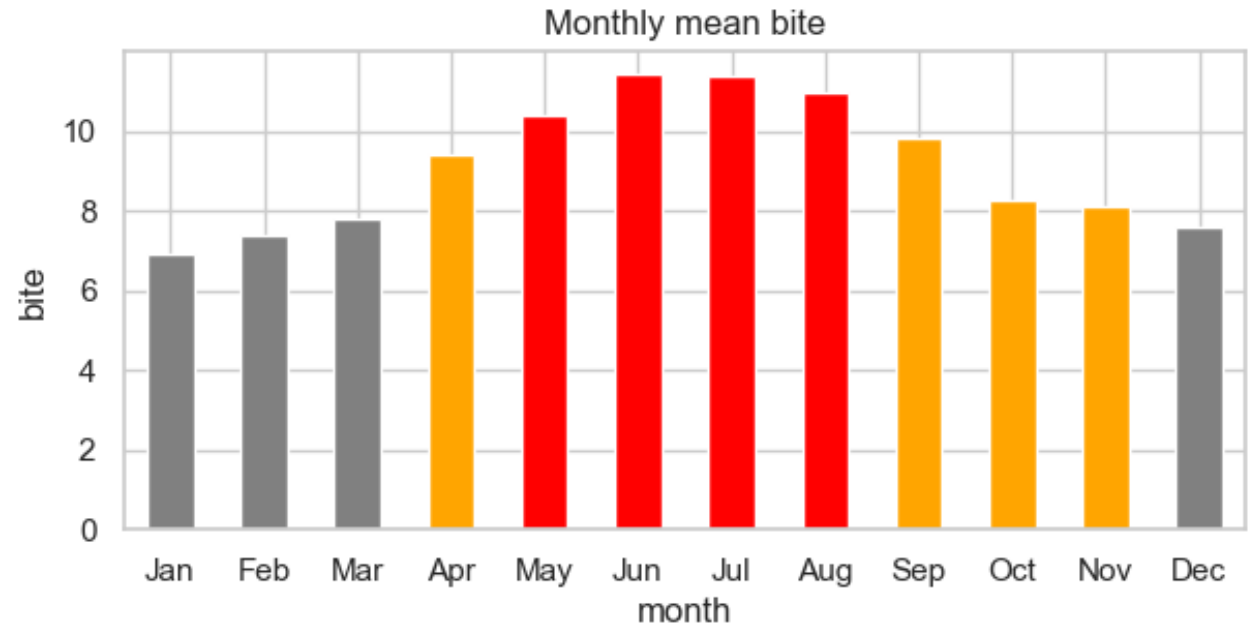
Key Findings

Are there any noticeable trends in the number of dog bites over time?



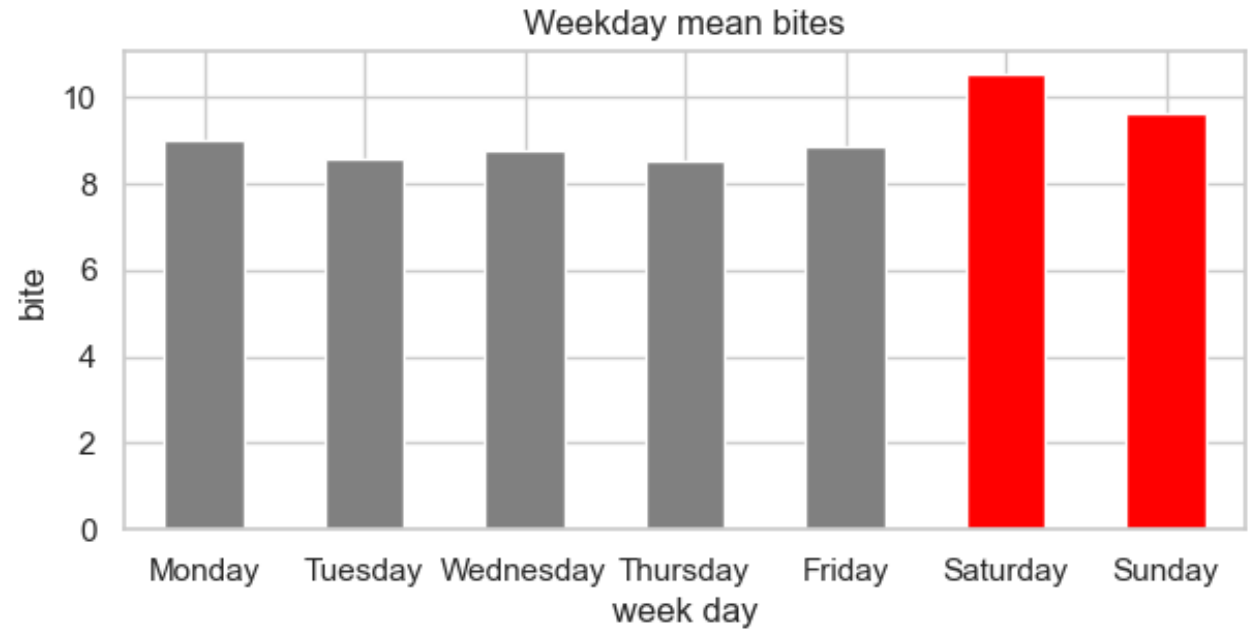
Key Findings

Are certain months or seasons associated with a higher number of incidents?



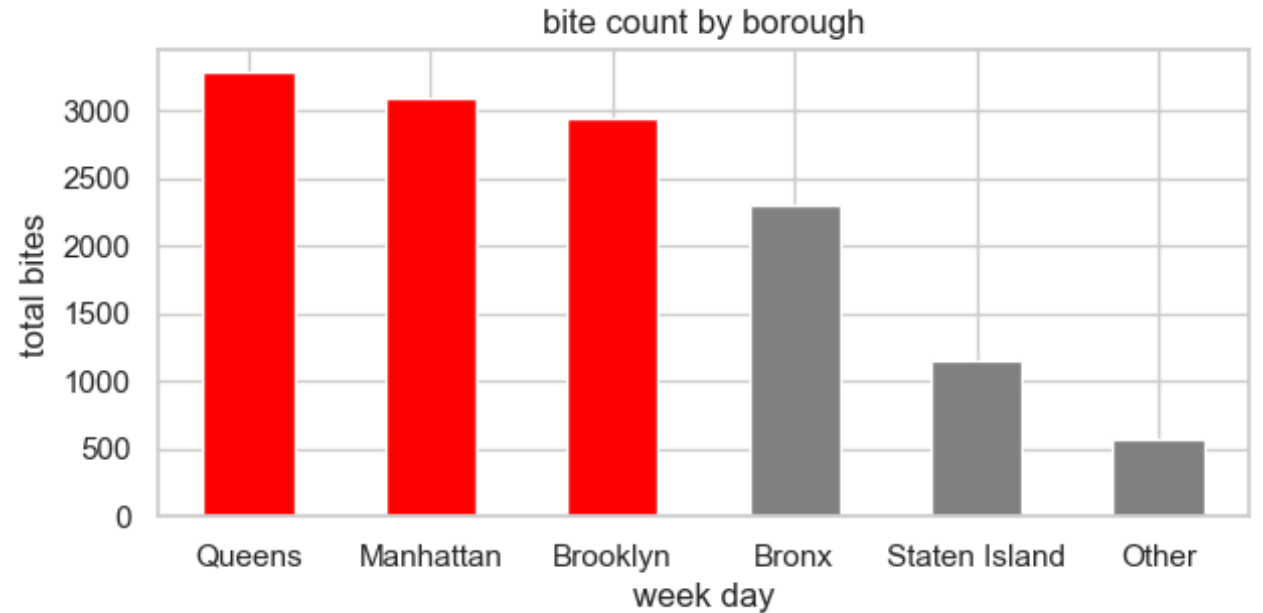
Key Findings

Are there specific days of the week when dog bites are more frequent than others?



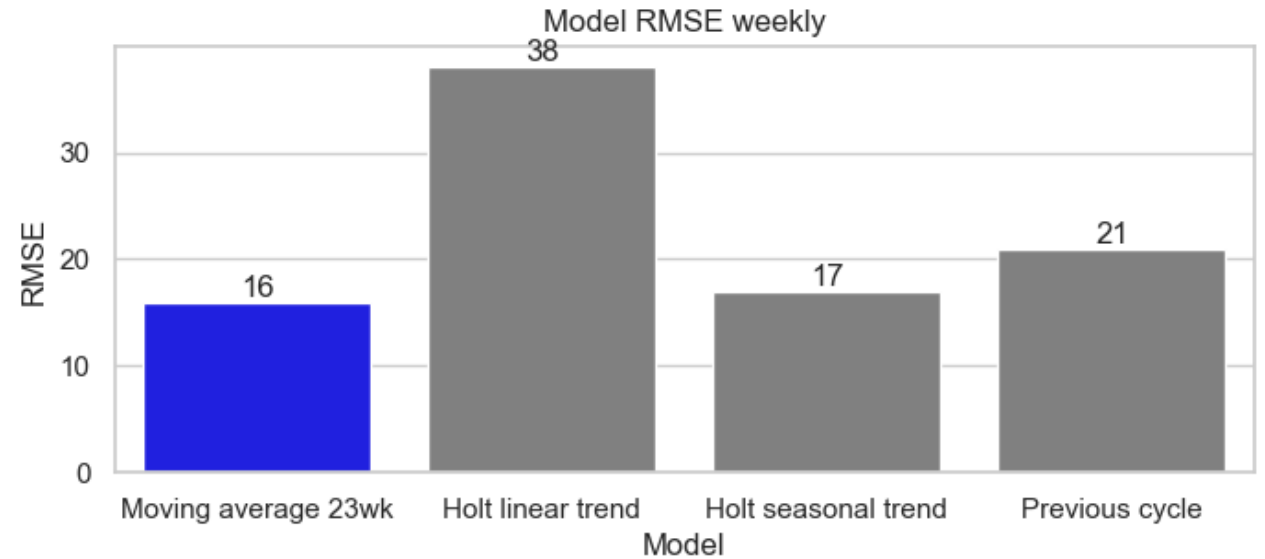
Key Findings

What impact does dog bite have in different boroughs?

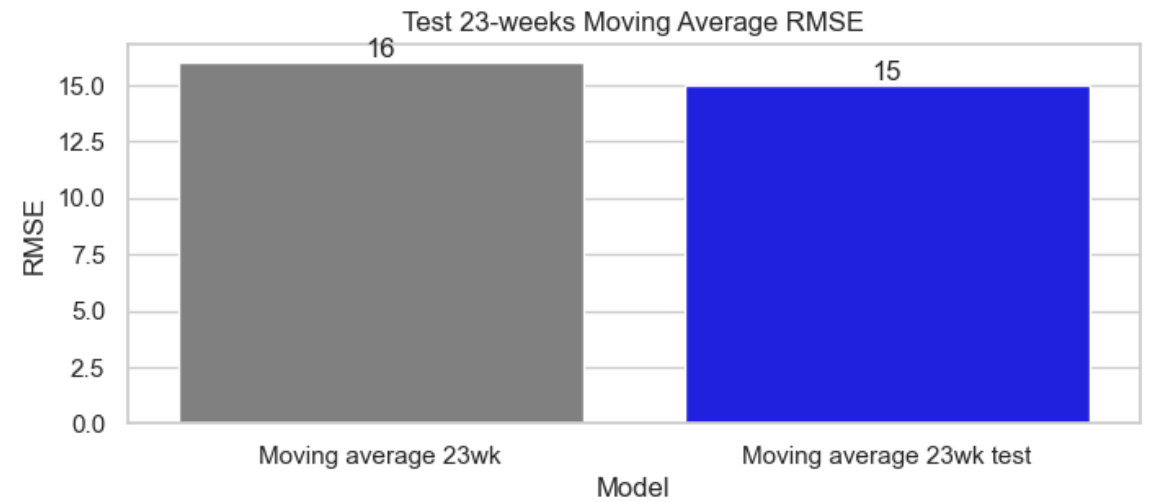


Modeling

- + Moving average
- + Holt's linear trend
- + Holt's seasonal trend
- + Previous cycle



Test Model



Conclusion

The goal for this project was to forecast weekly dog bites in the City of New York. I accomplished this by running four time series models, however, I failed to beat my baseline model showing lack in weekly data.

Recommendations

- + I recommend the local authorities to remain diligent and on high alert during the weekend and especially more flexible in the summer due to high bite rates shown in the data.
- + I also recommend for necessary resources to distributed mainly in Queens, Manhattan, and Brooklyn to help with urgent cases.

Next Steps

- + Collect more data then achieve a working model on the weekly or monthly resamples.
- + What effect does the dog's age have on bites?
- + How long after getting bitten did they wait before seeking medical attention?



Contact and Resources

+ Resources

View project: [Github.com](https://github.com)

Data source: [Data.gov](https://data.gov)

+ Contact

LinkedIn: [/Migashane-victoire](https://www.linkedin.com/company/migashane-victoire)

Github: [/MigashaneVictoire](https://github.com/MigashaneVictoire)



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