

911 Calls for Service Forecasting

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Domain

Baltimore, MD has been under fire for overspending their overtime budget in the police department many years in a row.

Motivation

If I can accurately forecast the number of calls for a police department, then the forecast can be used to help staff the police department accurately, which will ensure that the budget is followed.

Data

There are 7 million calls that can be collected from Open Baltimore. The call data consist of information about the calls, like time, date, and police district and information about why the call was placed like the kind of incident and its priority.

MVP

An MVP will consist of me forecasting the number of calls using the naïve model of predicting the previous day's count as the current days count.

Foreseen Difficulties

Are there trends in the calls that can be predicted?

Nice to Haves/Future Work

It would be interesting to see how arrest data correlates with calls. I would also like to have a tableau dashboard that shows my results.