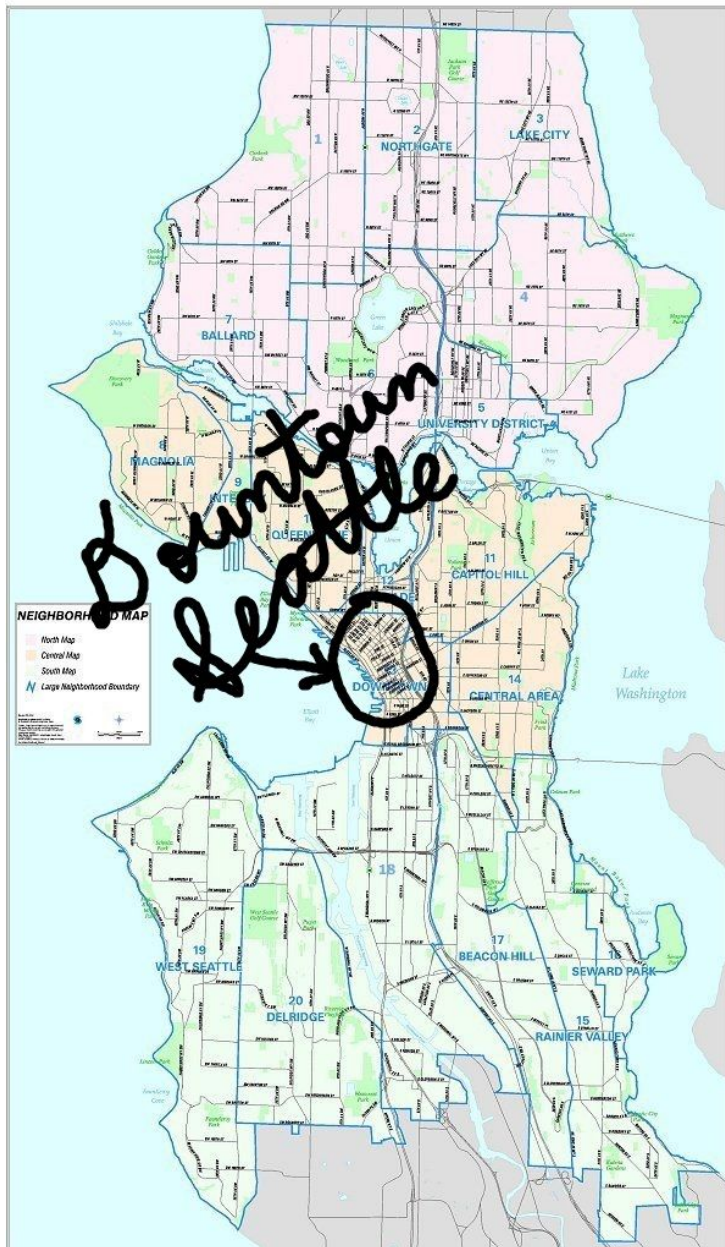


# Narcotics crimes are more concentrated in Downtown Seattle than thefts

Downtown Seattle is the the middle of Seattle, both in terms of longitude and latitude. Notice where I have labeled it on the map below.

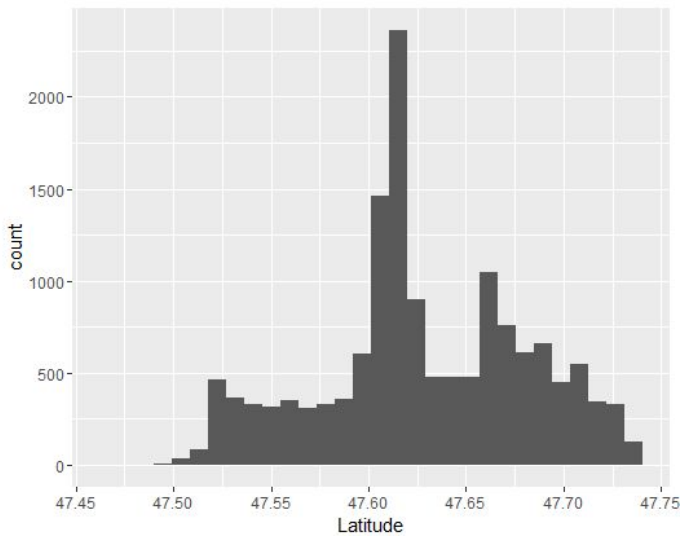


[https://upload.wikimedia.org/wikipedia/commons/2/27/Seattle\\_city\\_map\\_from\\_City\\_Clerk%27s\\_atlas.jpg](https://upload.wikimedia.org/wikipedia/commons/2/27/Seattle_city_map_from_City_Clerk%27s_atlas.jpg)

I wanted to see if different kinds of crimes seemed to be distributed by longitude and latitude differently. I live in King County near Seattle, so I knew to expect that the middle longitudes and

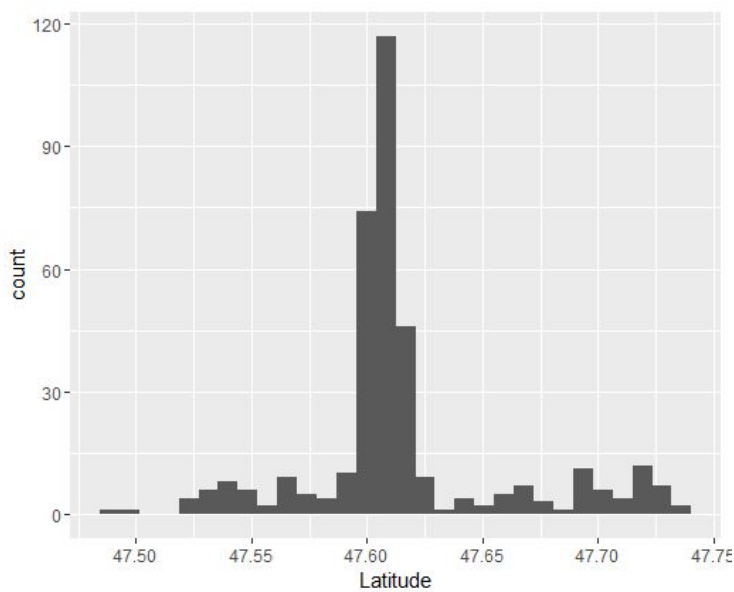
latitudes would see the most crime, because the density of people there is the highest. I noticed that there is a difference in the way that the frequency of thefts drops off as you move away from Downtown compared to the frequency of narcotics crimes.

## Latitude



### Latitude of Thefts

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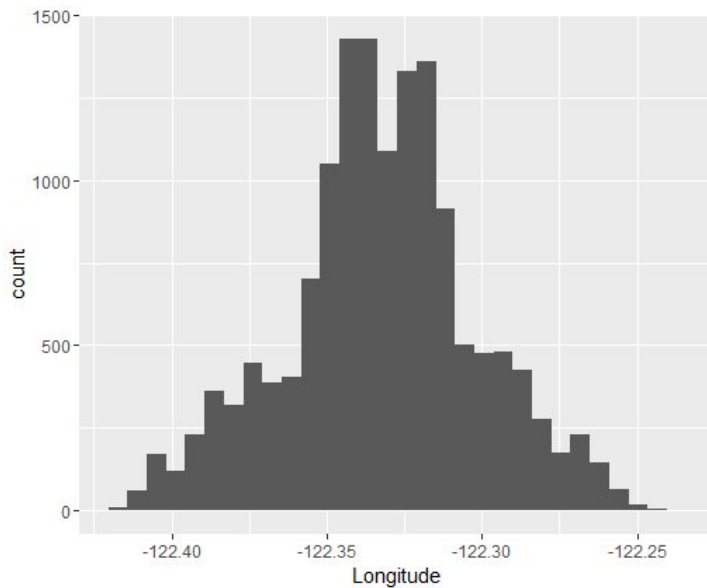


### Latitude of Narcotics

Analysis: Both thefts and narcotics crimes are more concentrated in Downtown Seattle compared to the more residential areas to the North and South. However, by looking at a histogram of counts of these two types of crimes by latitude, it is clear that the amount of

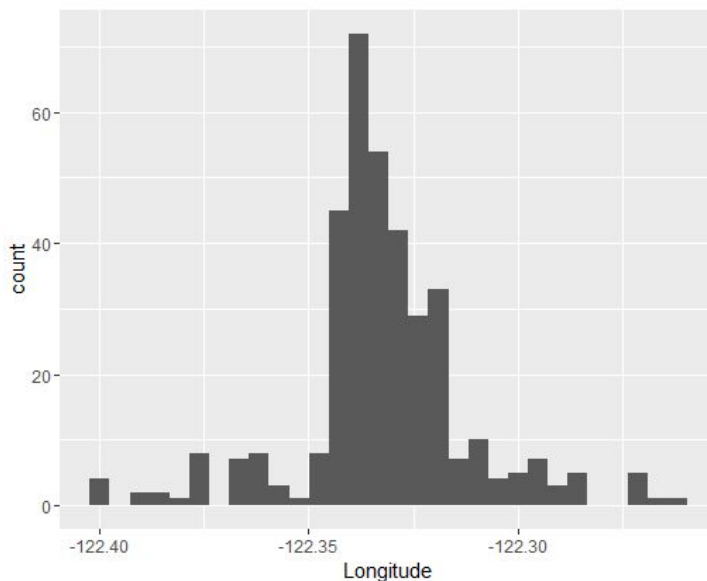
narcotics crimes drops off drastically outside of Downtown, while the amount of thefts is still somewhat high even in the residential areas and doesn't really ever drop down to such low levels.

## Longitude



### Longitude of Thefts

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to look at histograms the longitude of these crimes as well. The pattern with longitude is consistent with what was observed in latitude: thefts drop off much less steeply than narcotics crimes do as you move away from Downtown