

## Boston Restaurant Food Inspections

There are many reasons to be a proud Bostonian. One of the reasons being the possibility of tasting the world without spending so much on flight tickets and booking hotels. Unfortunately, it is not a surprise that restaurants commit violations. It would be a learning experience to analyze the food establishment inspections dataset and see what kind of results come up. Perhaps the findings could be shared with the Inspection Services and could serve as a kickstart to help them brainstorm ways to reduce the occurrence of certain common violations.

*Data:* Obtained via <https://data.boston.gov>

- What are the most common types of violation in Boston restaurants?
- How often do restaurants commit the same violation?
- Is there a relationship between the location and number of violations?

## Boston Crime Reports

In recent years, Boston has seen an increase in the amount of startup companies in the city. Giant companies like Amazon are also growing their presence in Boston. It would be interesting to see if the increase in big/startup companies has affected the number of crimes committed in Boston each year (from 2012 to present). Making the analysis available to foreigners who are interested in moving to Boston, this could perhaps have an affect on their decisions.

*Data:* Obtained via <https://data.boston.gov>

- What are the most common crimes committed in Boston?
- Does the day of the week increase the likelihood of a crime occurring?
- Which areas of Boston are most dangerous?

## Fitbit

Fitbit is an electronics company that sells devices that track the user's activity. A few of the common features of Fitbit devices include step counts, calories burnt, heart rate, and quality of sleep. Analyzing an individual's data could help him/her understand his/her fitness more, allowing him/her to make certain changes in his/her lifestyle to help him/her achieve his/her fitness goals.

*Data:* Obtaining data from a friend who is a group exercise instructor and a Fitbit user for several years.

- Does what she eat affect her level of activity?
- How has age affected Tracy's activity over the years?
- Is Tracy getting enough and/or quality sleep?

- Is there a direct relationship between the amount of calories burnt and the amount of time Tracy is very active, or could there be other factors that contribute to a higher calorie burnt count?