

## 0.1 Plotting and analysing the data

To get a bit of an overview of the situation the authors decided to create some plots.

### 0.1.1 Plot by Day of the week

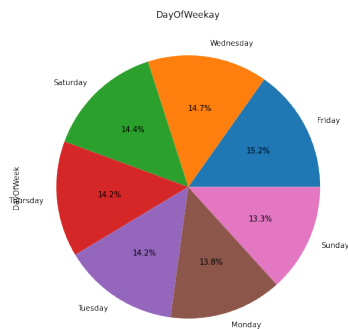


Abbildung 1: DayDistribution.

### 0.1.2 Plot by District

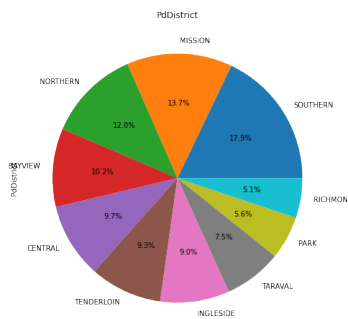


Abbildung 2: DistrictDistribution.

### 0.1.3 Plot by the hour

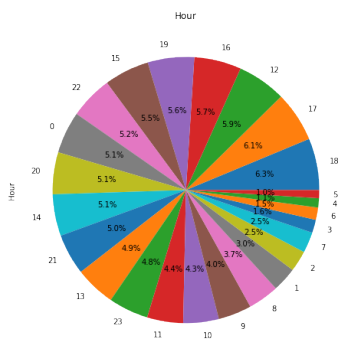


Abbildung 3: HourDistribution.

### 0.1.4 Map of districts

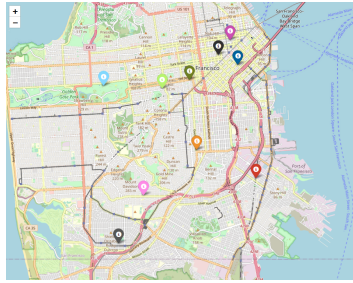


Abbildung 4: MapOfDistricts.

### 0.1.5 Plot by Year

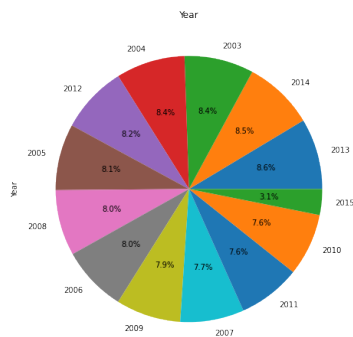


Abbildung 5: YearDistribution.

### 0.1.6 Plot by category

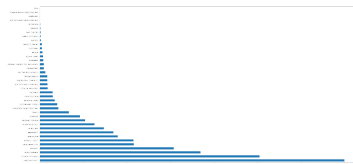


Abbildung 6: CategoryDistribution.

### 0.1.7 Conclusion

As one can see the crimes are relatively evenly distributed throughout the districts and dates. The only difference one can see is it depends on the hour of the day what the frequency of crimes are. Also the category samples are unbalanced.