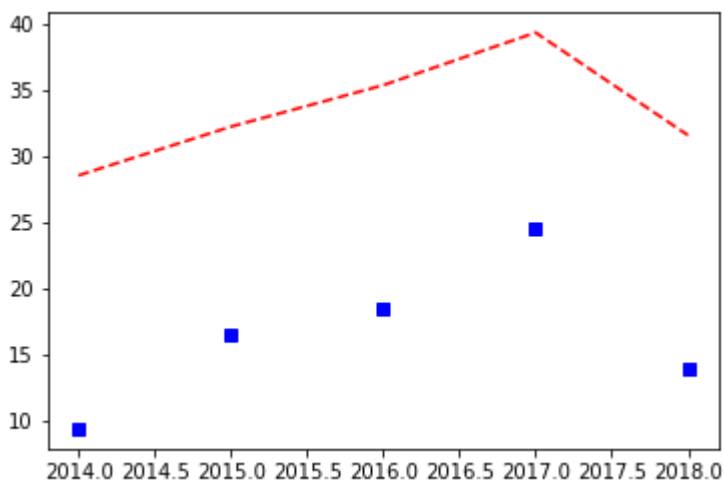


1.

total number of records: 1826 rows \times 8 columns

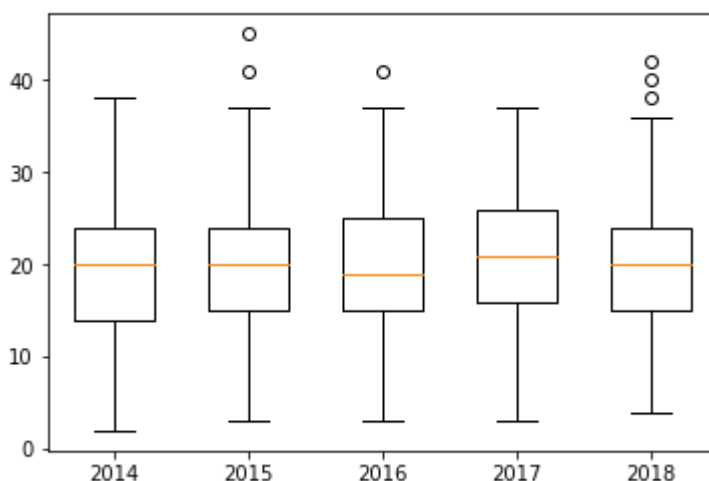
size of the csv file : 0.41 MB

2.



a.

From 2014 to 2017, average temperature is increasing. Average temperature in 2018 is decreasing a lot. The overall range of temperature is from 10 to 40. UIUC is a chilly place.



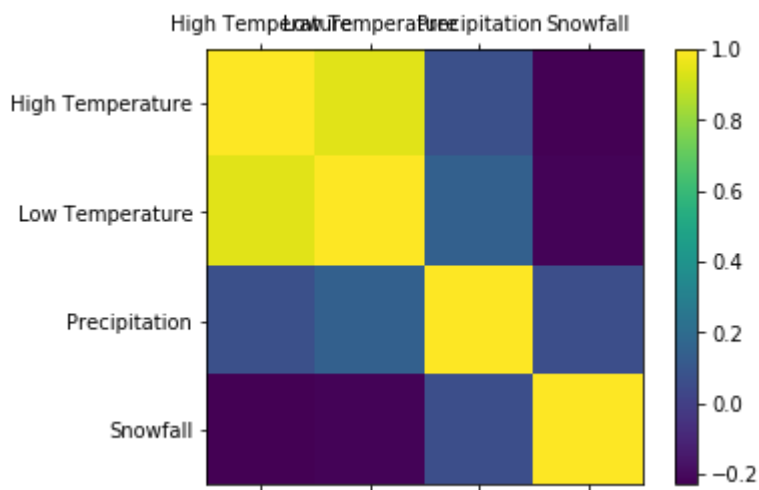
a.

Every year, the range of daily difference of temperature is similar. 2014 and 2018 has density in upper quarter while 2016 is similar.

has density in lower quater. 2015 and 2017 are kind of equal weighted for the two quaters. 2015 and 2018 has several days of outliers, which means the daily difference is abnormal.

3.

For this question, I studied the correlation of 'High Temperature','Low Temperature','Precipitation', 'Snowfall' .



The condition of snowfall due to temperature and precipitation is not obvious. Therefore, it is hard to predict whether it will snow or not due to temperature and precipitation