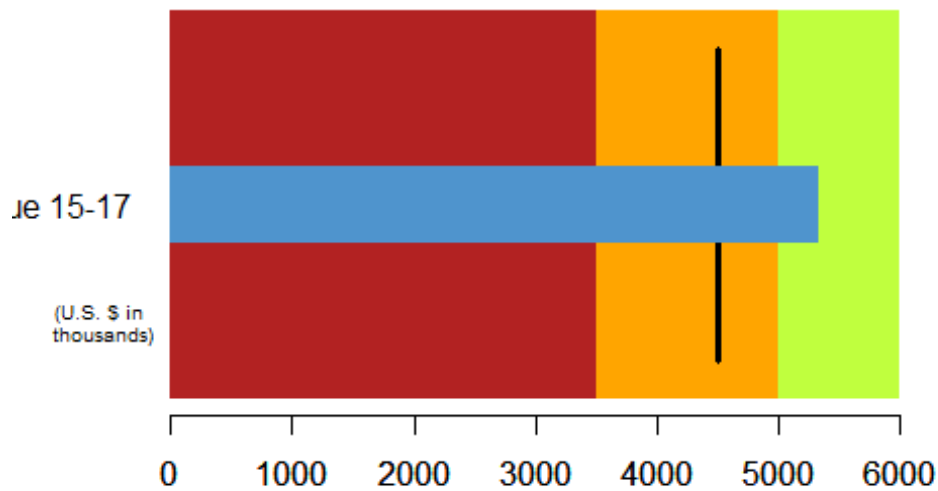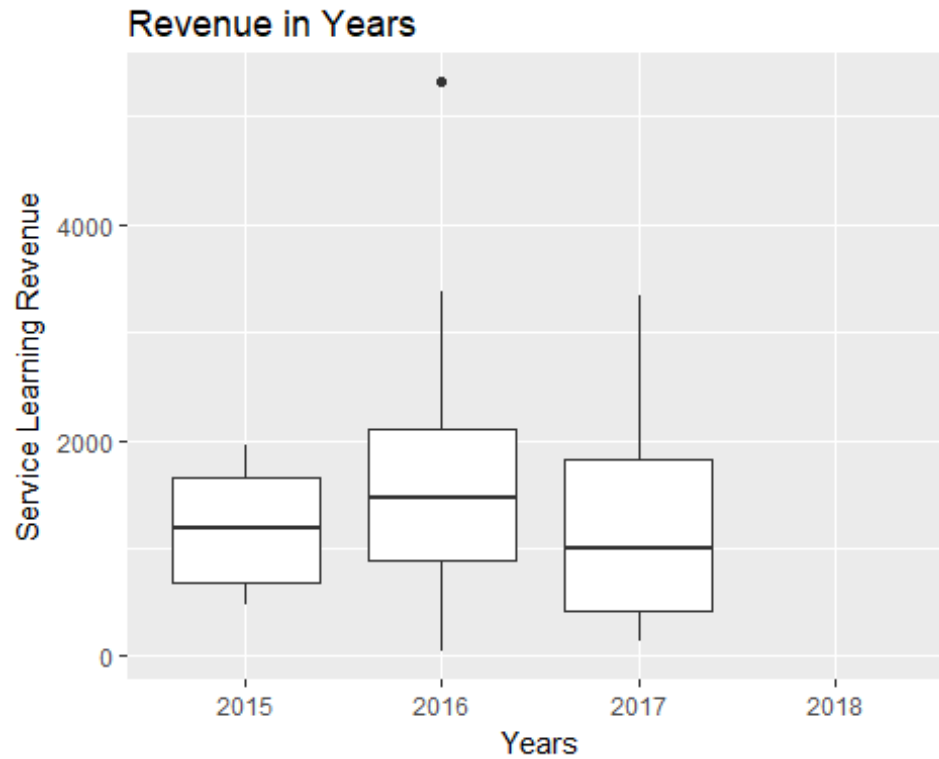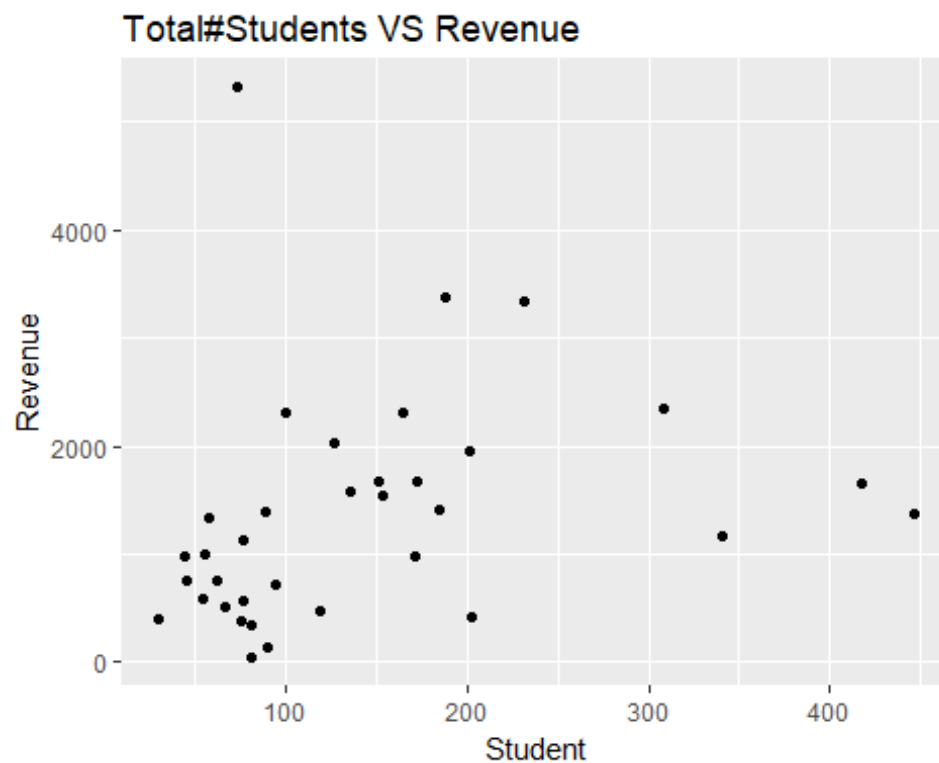# Report

Moran Wang & Jingru Ma
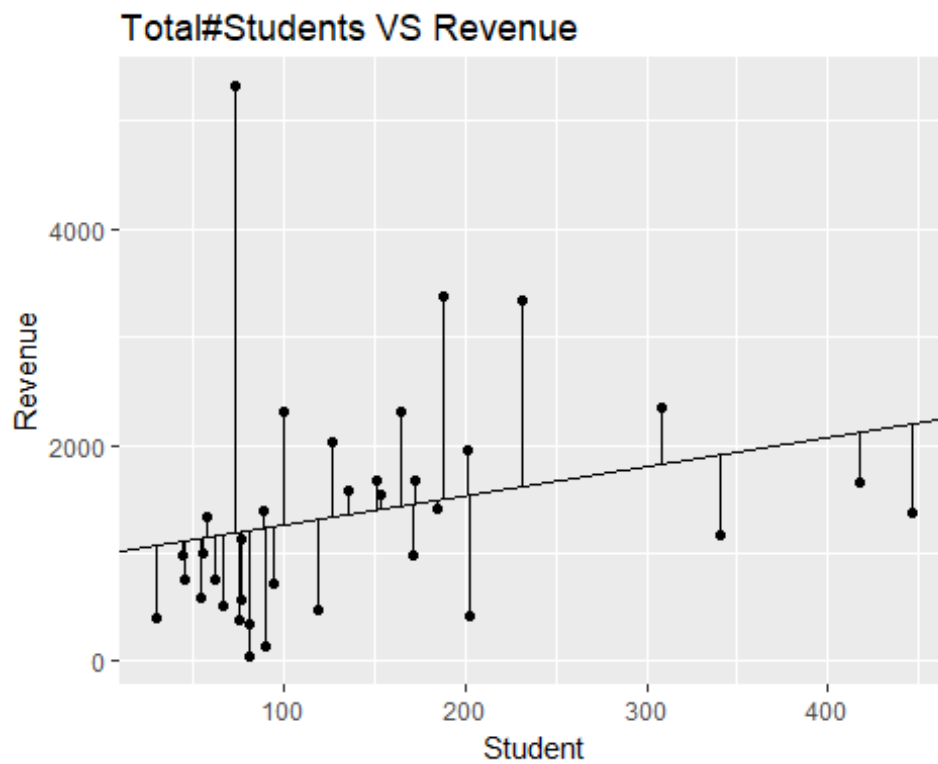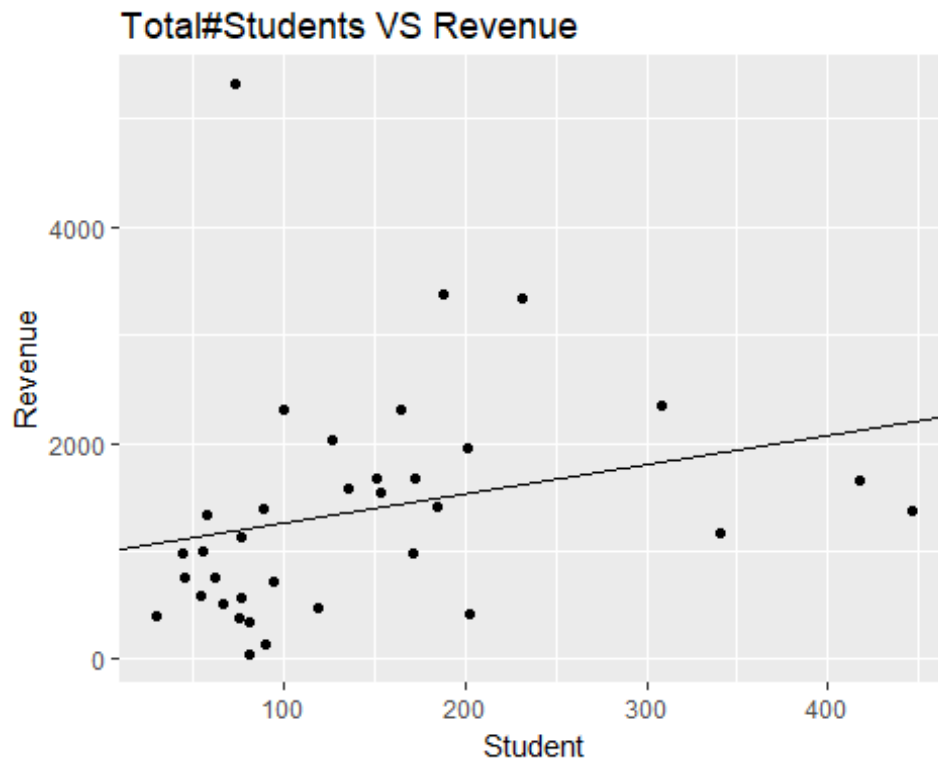
January 31, 2018

Service Learning

The KPI of service learning, we shows the revenue of service learning graphically. The reference point is 4500 and the three levels of background are 3500,5000 and 6000. The blue bar reach to the green level which is the excellent level.
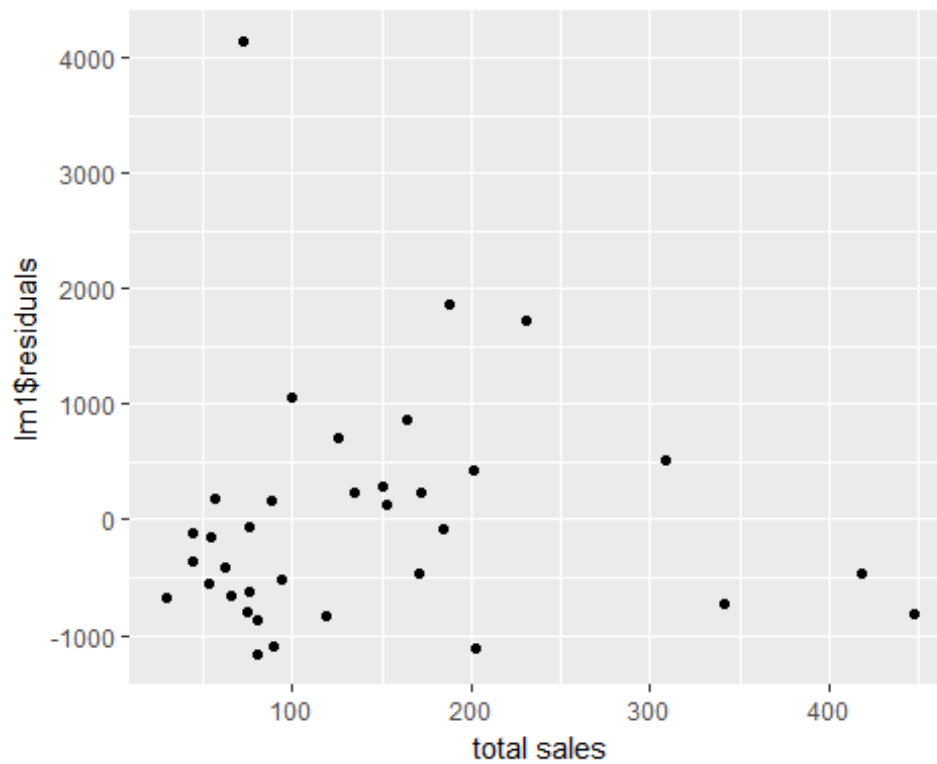
Revenue in Years

This graph is showing the service learning revenue in the year of 2015,2016 and 2017 as a boxplot. The maximum, third quartile,median, first quartile and minimum of data are showing on the plot.
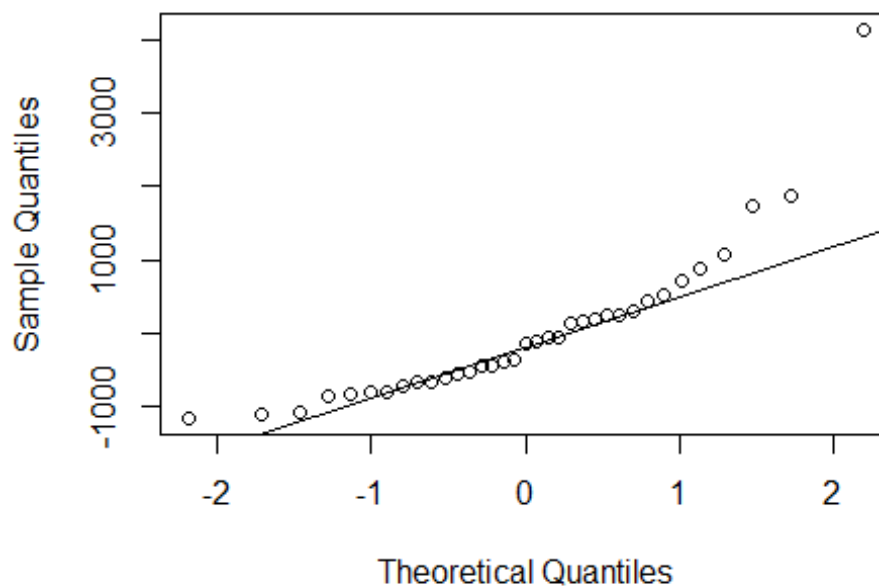
Total#Students VS Revenue

This graph is showing the relationship of students and revenue. The data of students is independent variables, the data of revenue is dependent variables.

Total#Students VS Revenue

Total#Students VS Revenue

Adding a line into graph p1. This graph is showing as a linear regression. The points are not extremely close to the linear. Therefore, the students are revenue might not related to each other.
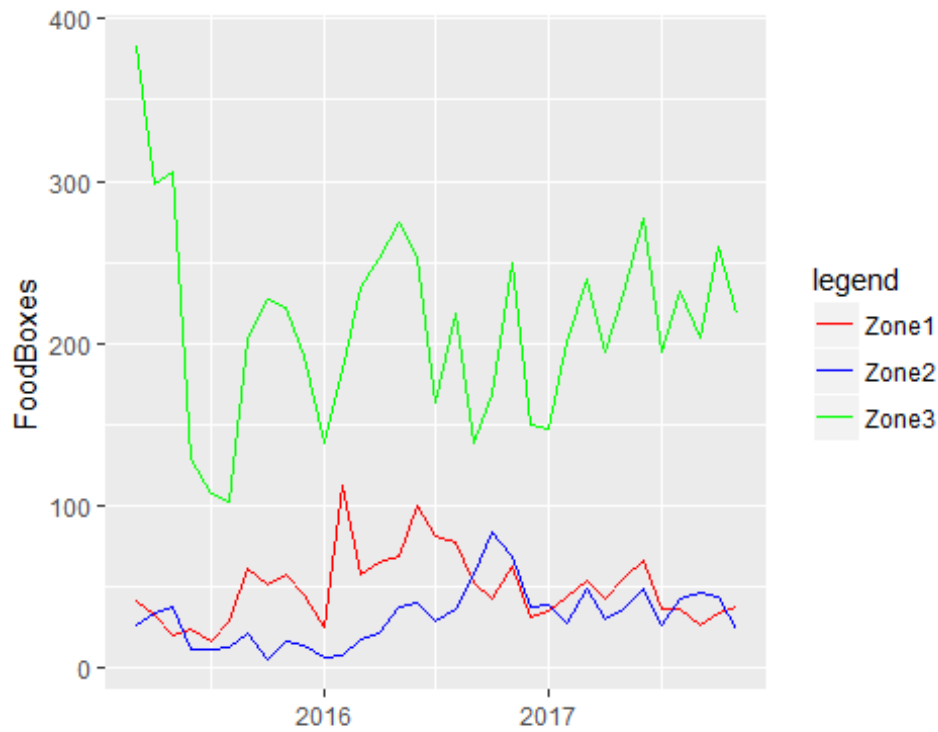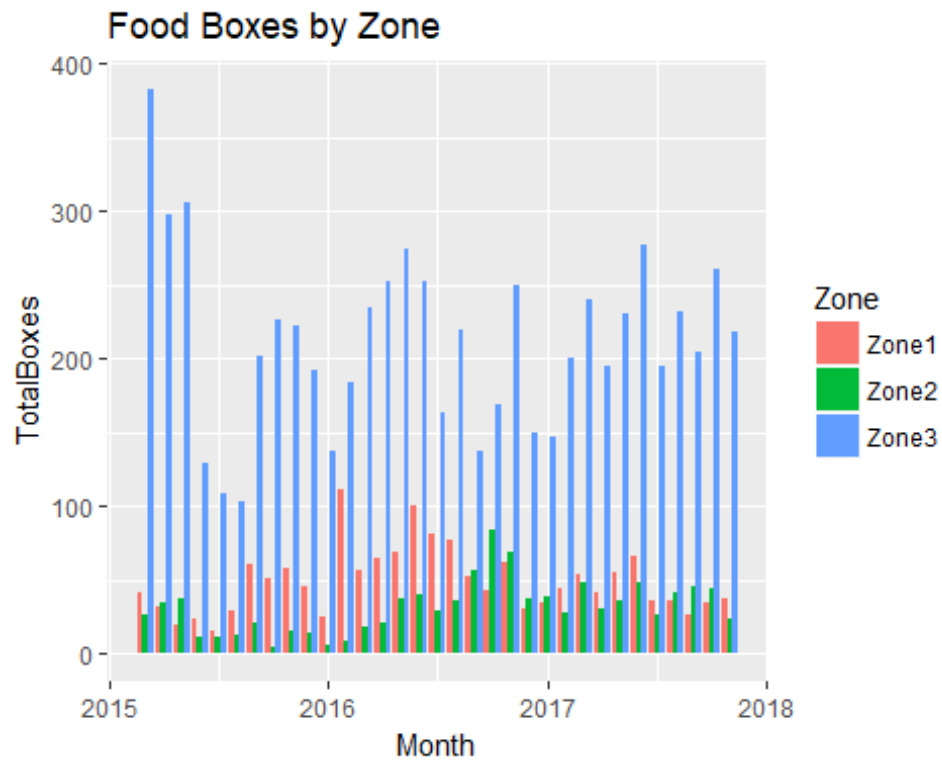

Normal Q-Q Plot

This qqnorm plot shows the errors are normal distribution or not. Based on the graph, the error is not normal distribution.
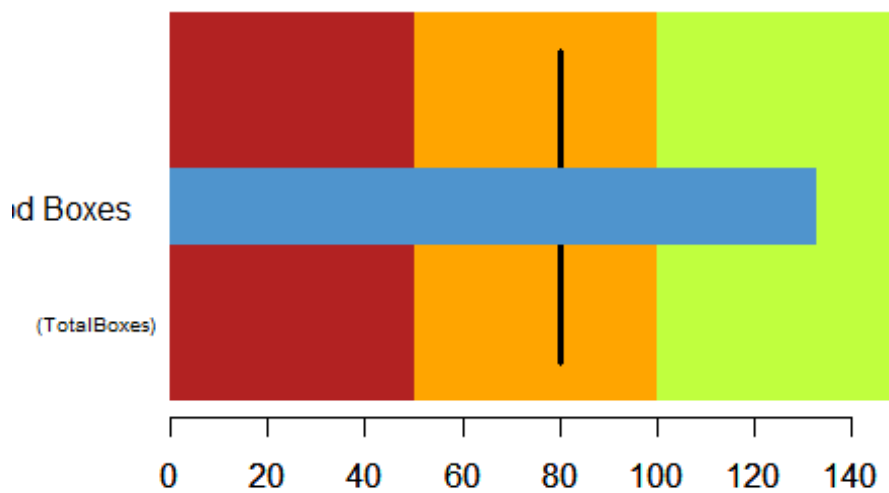
Food Box

This graph is showing the line graphs of Zone1, Zone2 and Zone3 in the Food Boxes dataset. The data of Zone3 are large than the other two.
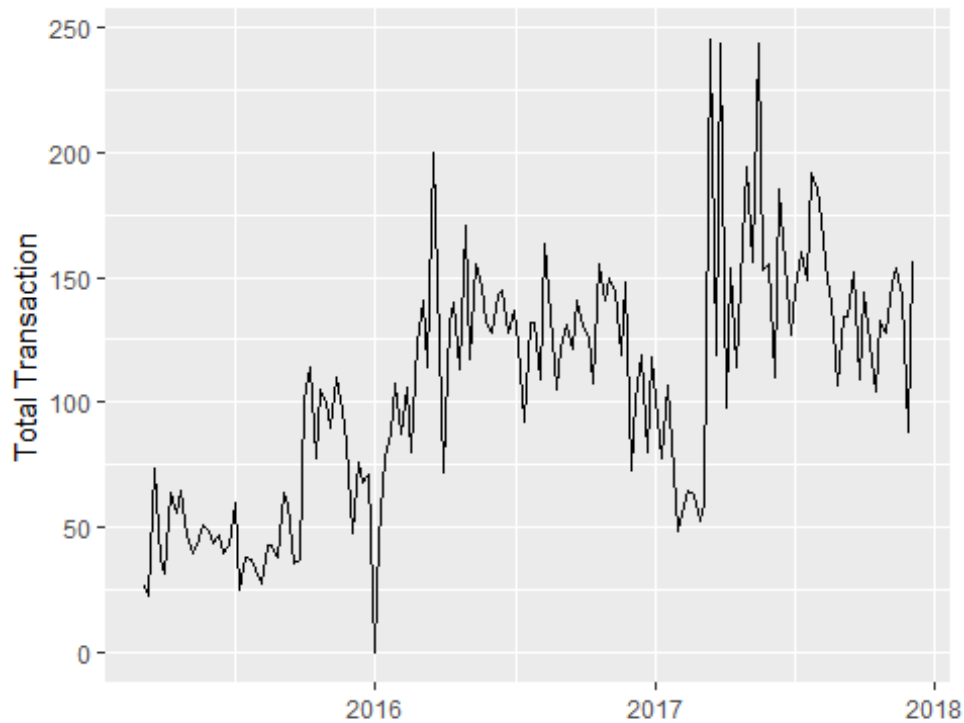
Food Boxes by Zone

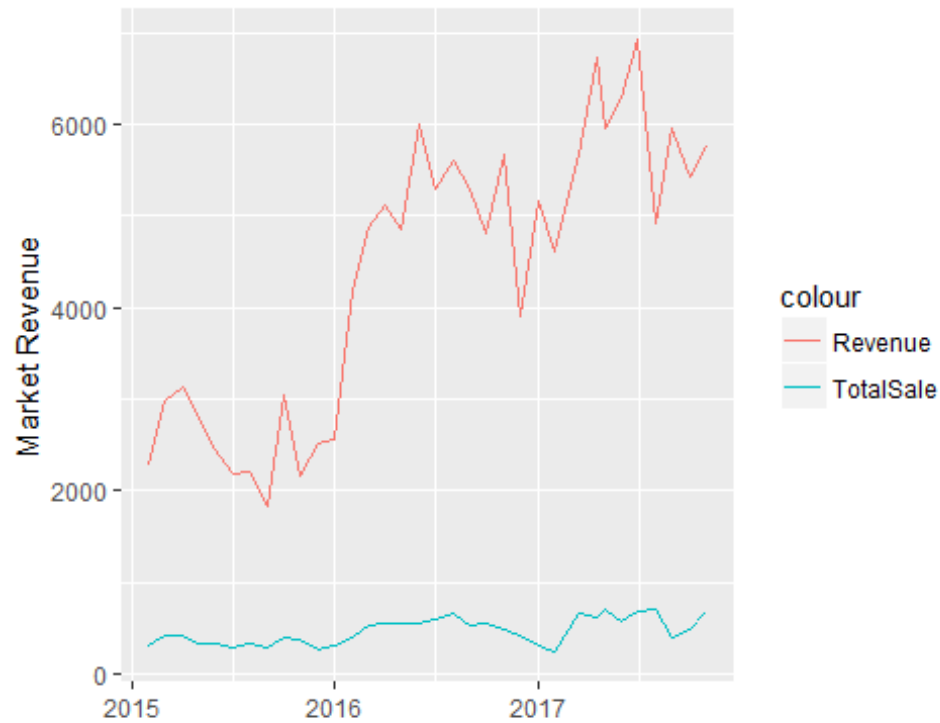This graph describes the food boxes distribution by zone.

Showing the KPI of total food boxes. The reference point is 80. The three levels of background are 50,100 and 150. The blue bar reach to the green level which is the excellent level.
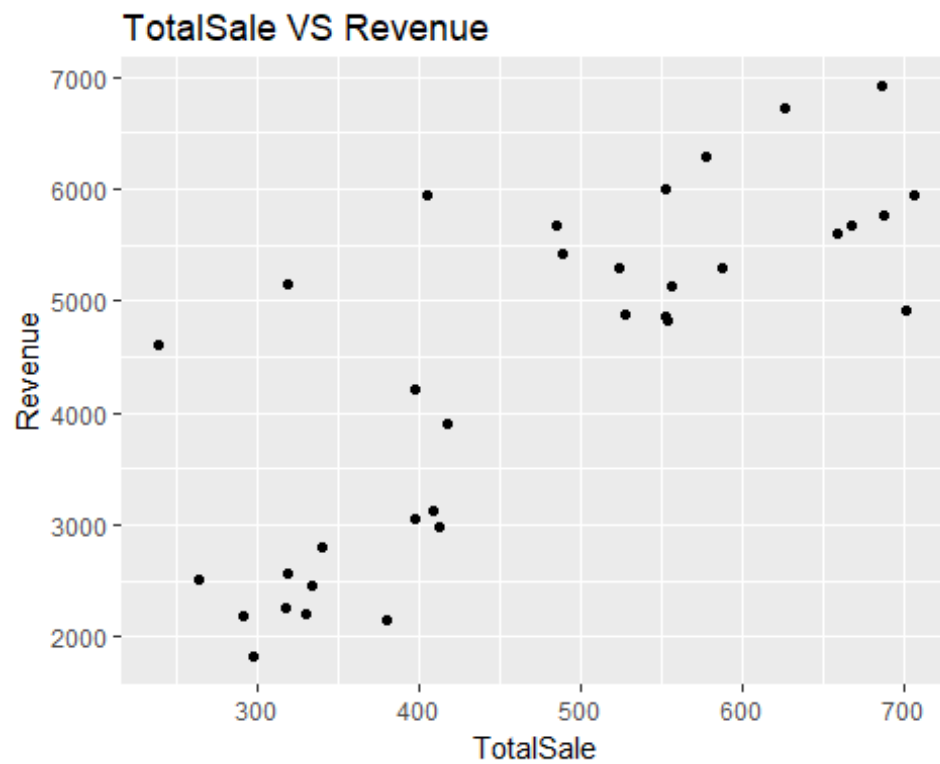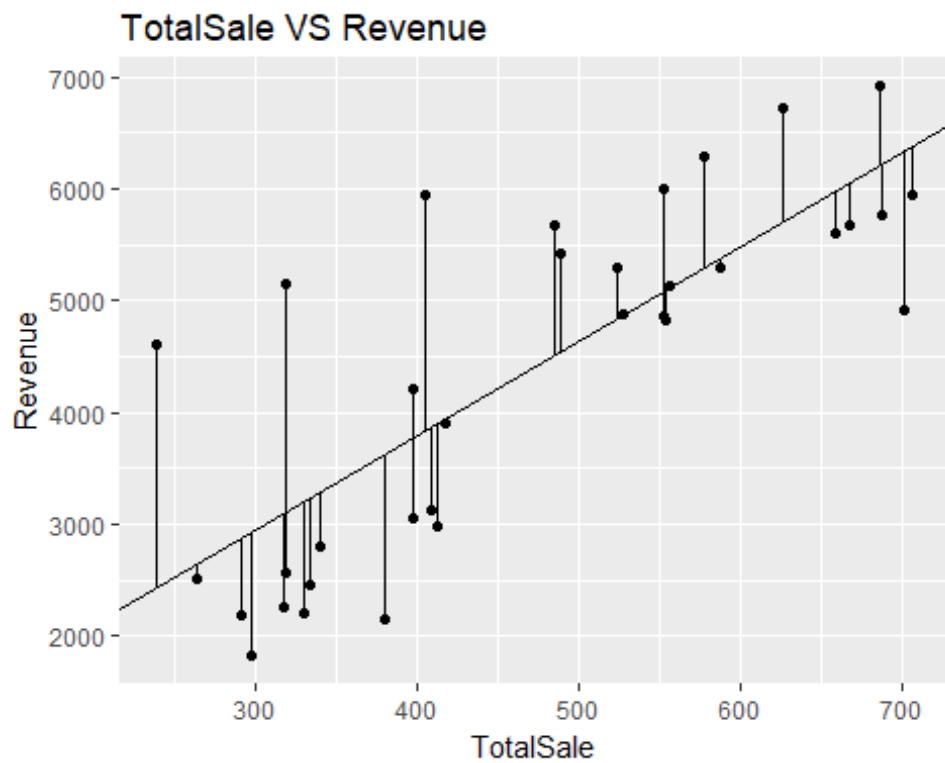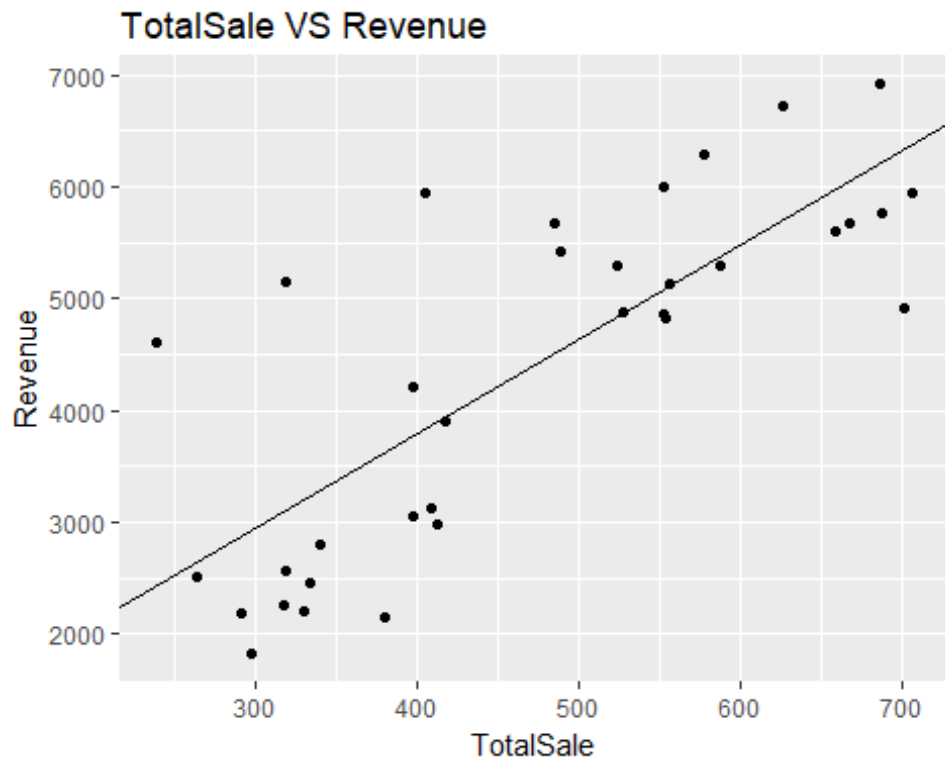
Market

This graph is showing the total sales in different date from data. As the graph shows, the total sales are growing basically.
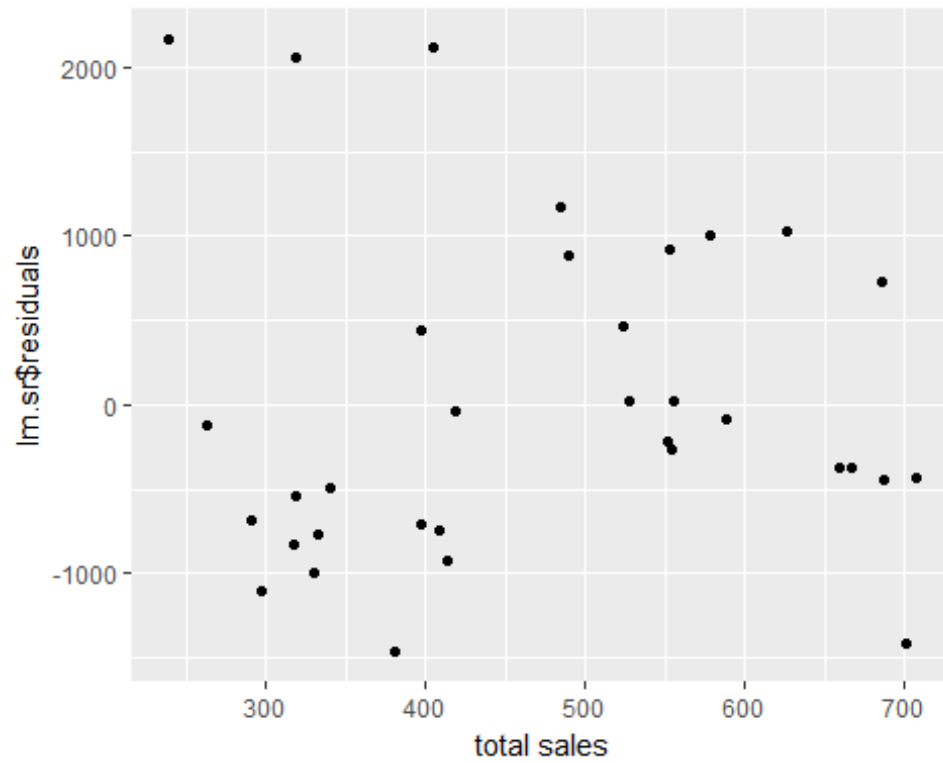
This graph is comparing the Revenue and total sales of market in different data. The total sale is clearly lower than revenue everyday.
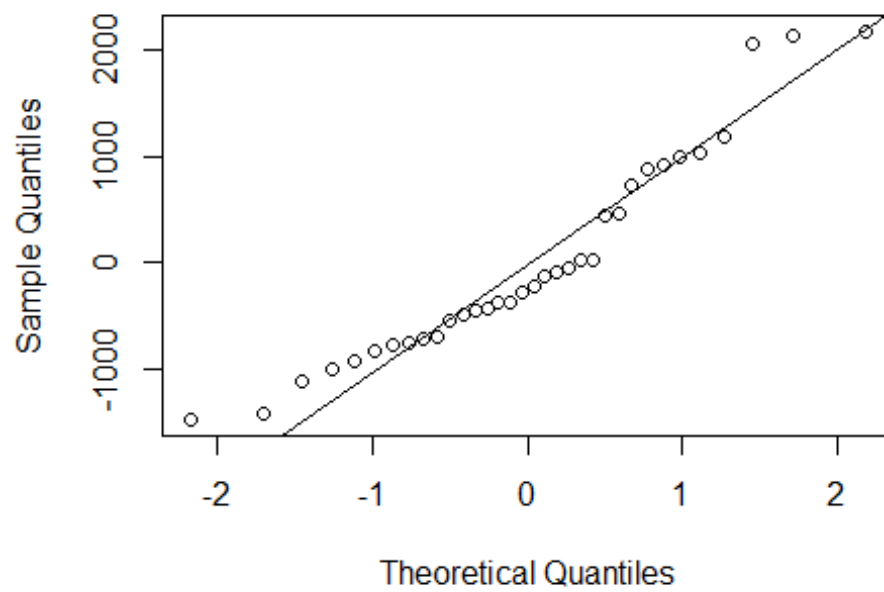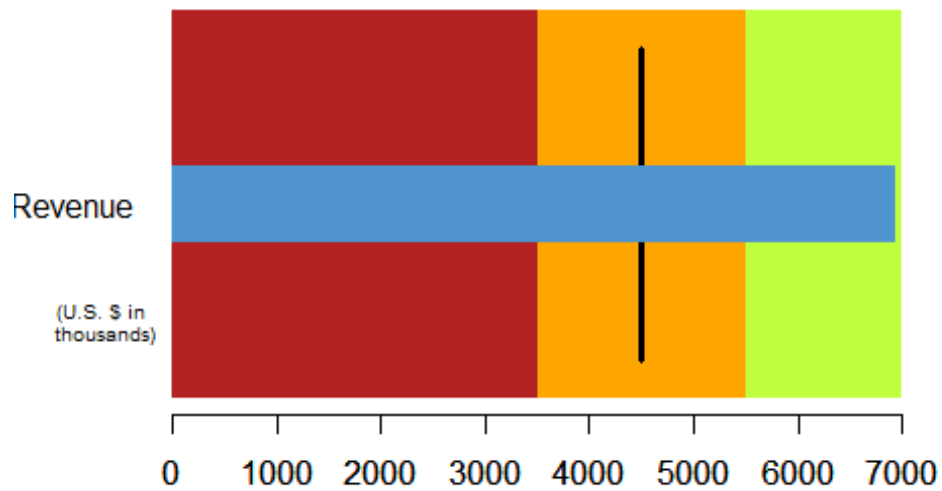
TotalSale VS Revenue

TotalSale VS Revenue

Adding a linear regression to show the relationship between revenue and total sale. The points are close to the line. Thus, Total sale and revenue are related to each other.

Normal Q-Q Plot

Showing the KPI of market revenue. The reference point of this graph is 4500, the three levels of background are 3500,5500 and 7000. The blue bar reach to the green level which is the excellent level.