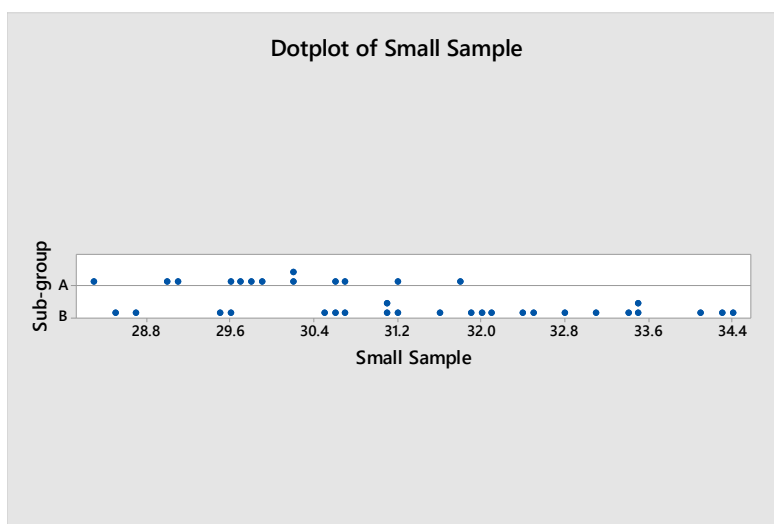
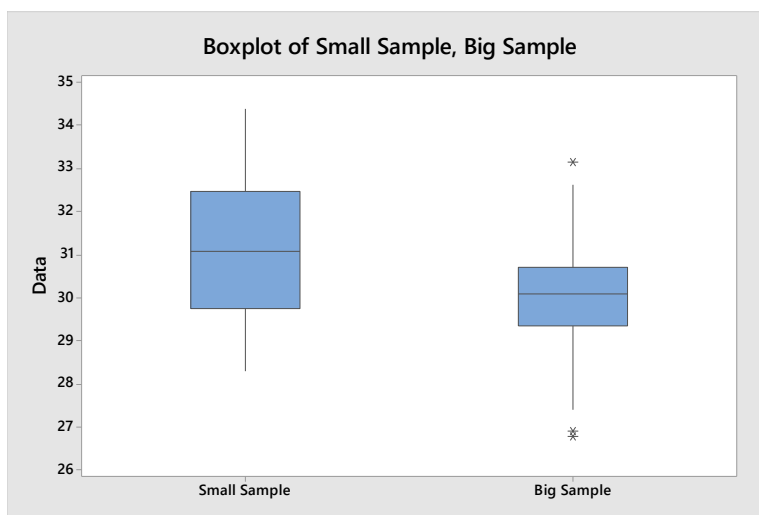
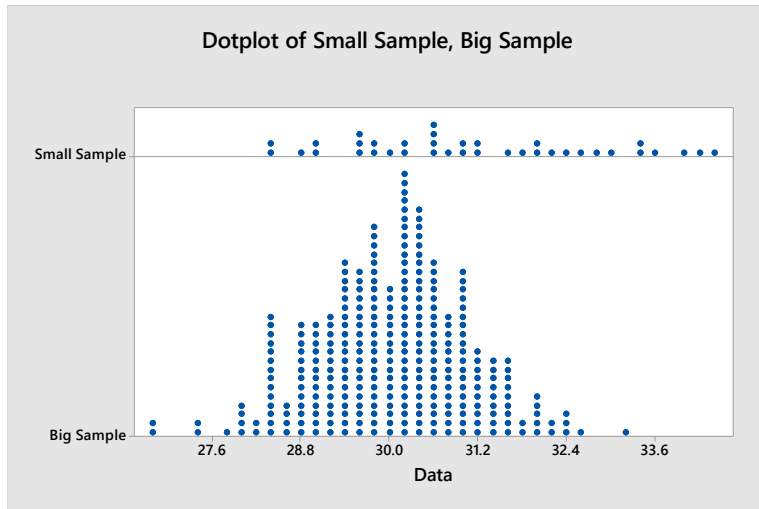
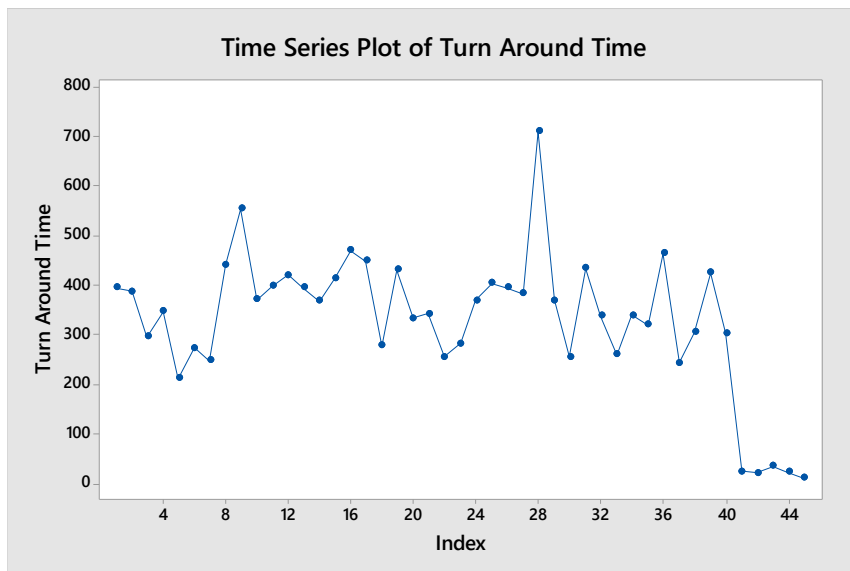
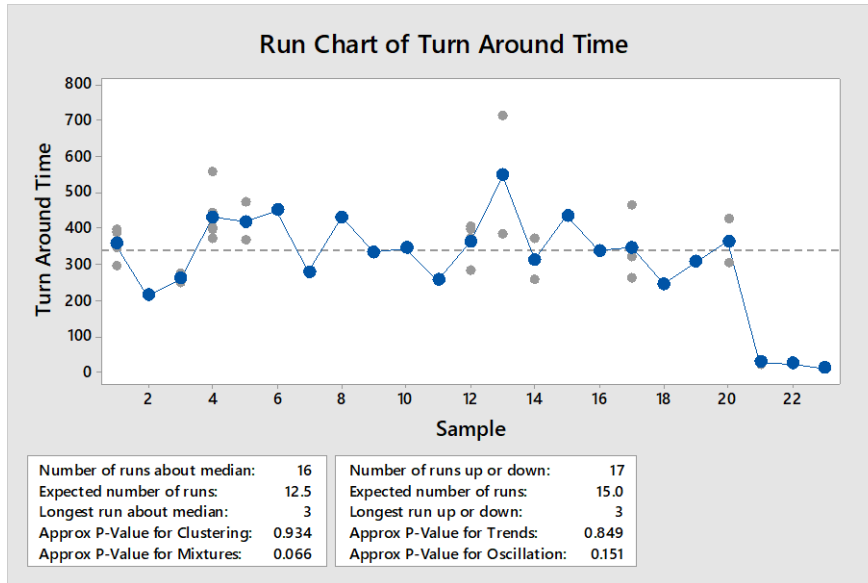


## Graphical Methods

1. Practice the relevant graph with the data provided. (File: Graphical Data\_PracticeFile.xls)





## Stem-and-Leaf Display: Turn Around Time

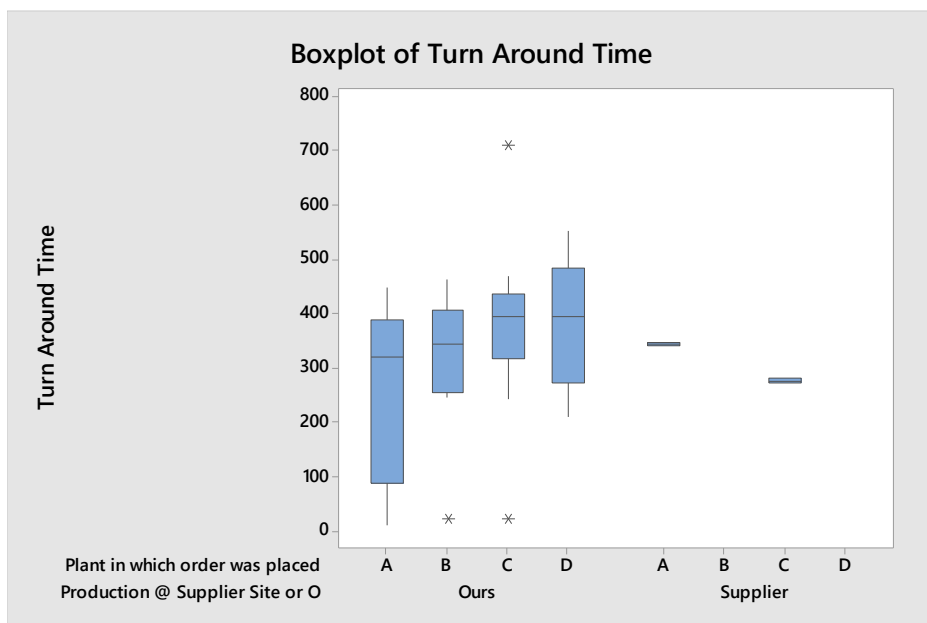
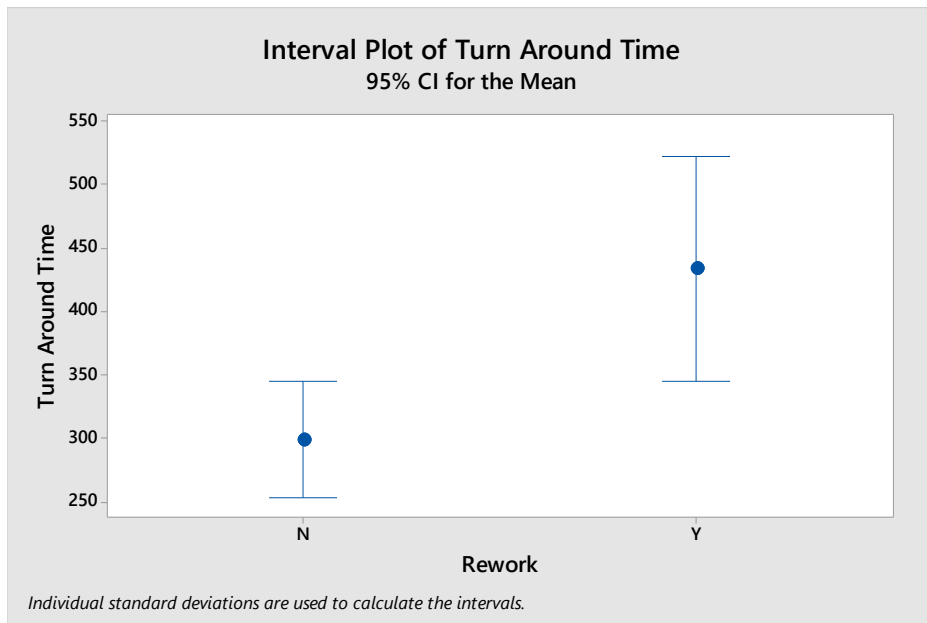
Stem-and-leaf of Turn Around Time N = 45

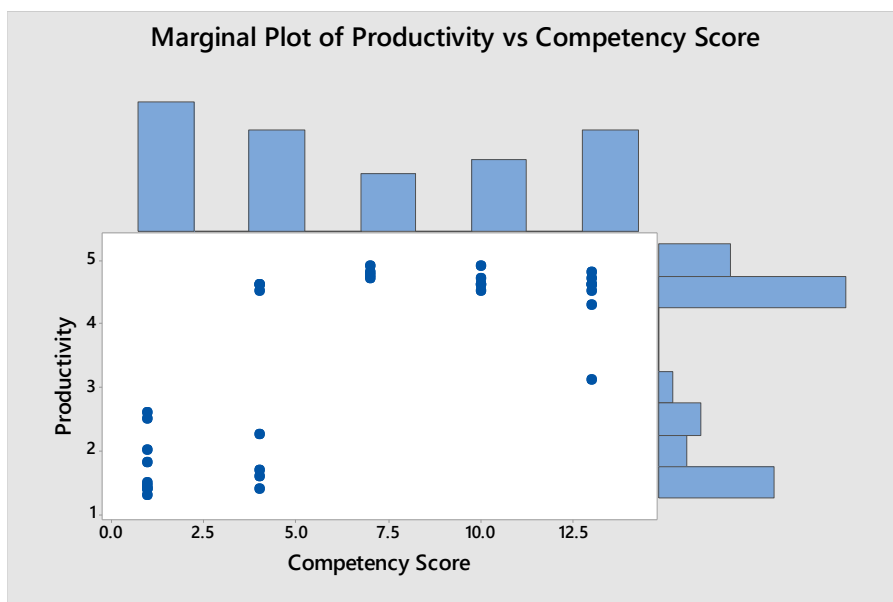
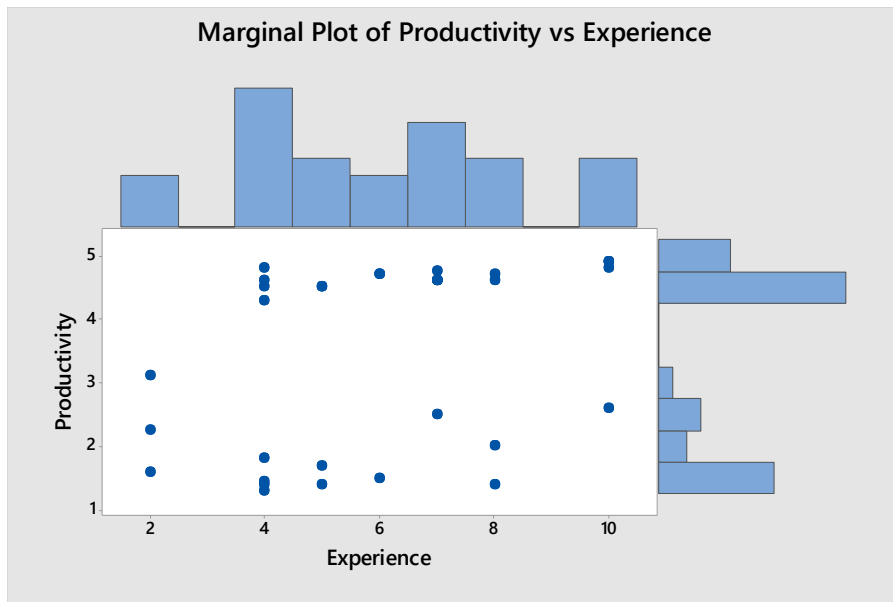
```

5  0 12223
5  0
5  1
5  1
8  2 144
15 2 5567789
(8) 3 00233344
22 3 6667889999
12 4 0122334
5  4 567
2  5
2  5 5
1  6
1  6
1  7 1

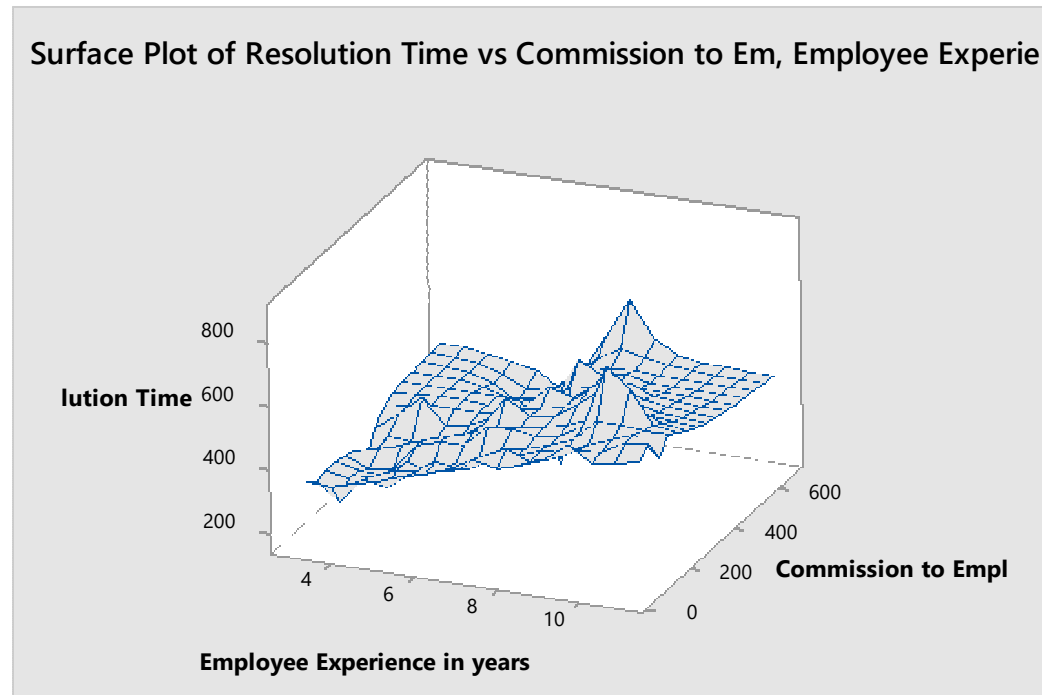
```

Leaf Unit = 10



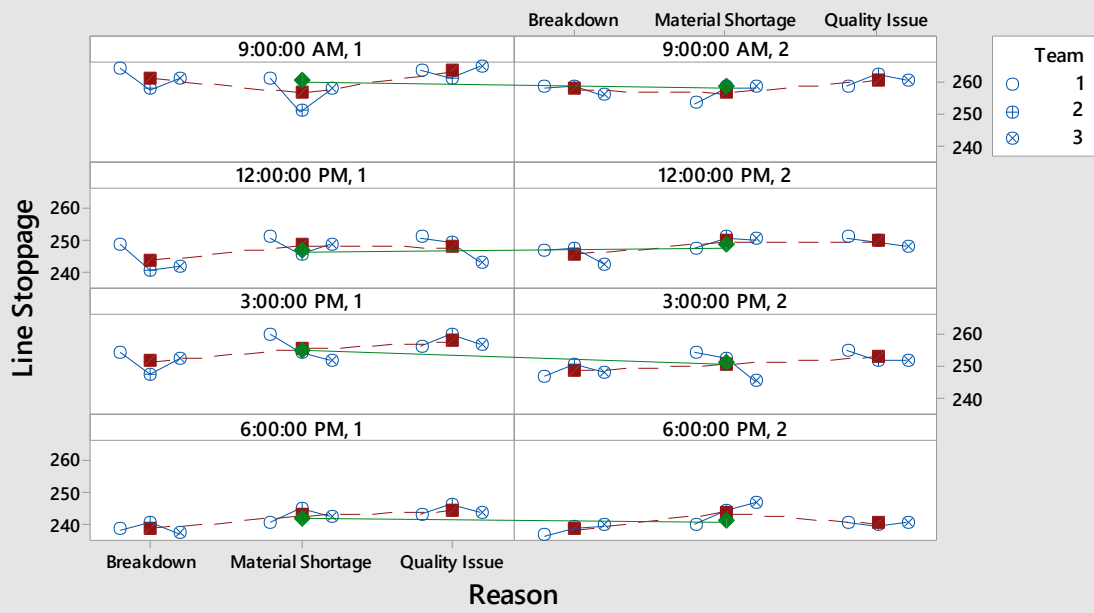


- The 'Resolution Time' for customer complaints are measured along with the 'Commission to Employees' who resolve the complaint and 'Employee Experience in years'. You have to find out the relationship between the three and find out if 'Resolution Time' is influenced by Commission or Experience?



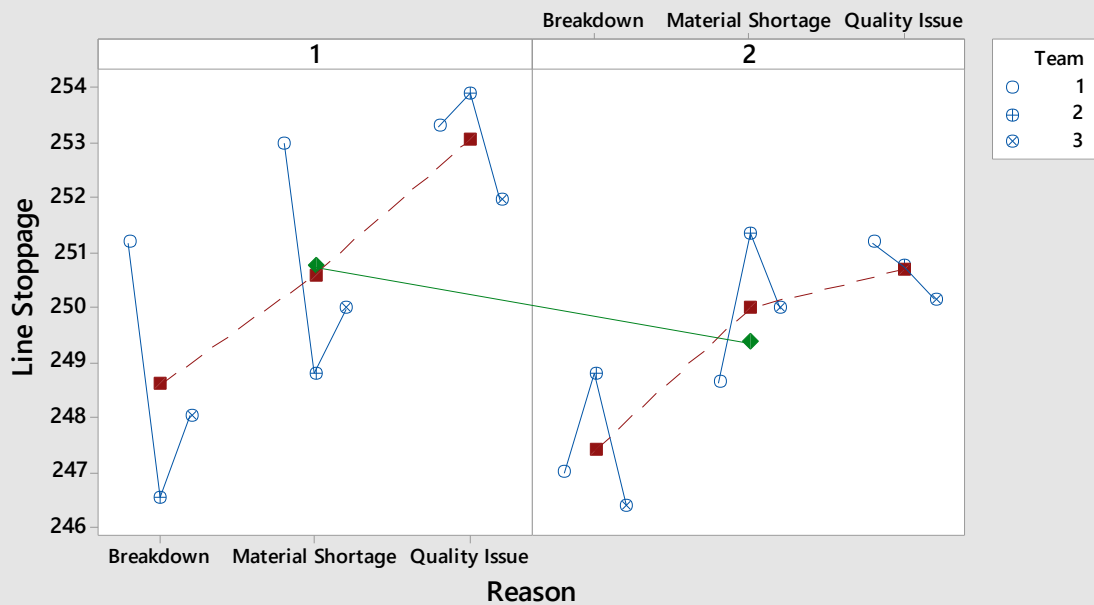
- In the manufacturing factory, you need to identify the factors impacting line stoppages (Conveyor line is stopped at times due to various reasons) using multi-vary chart (File: Graphical Data\_PracticeFile.xls)

### Multi-Vari Chart for Line Stoppage by Team - Time of Day



Eliminate Time of Day and replot

### Multi-Vari Chart for Line Stoppage by Team - Day



3 Factors seem significant. But by going one step further, one can eliminate Day.

