**Hypothesis Testing**

1. Ho: Unit A = Unit B

H1: Unit A ≠ Unit B

P\_value= 0.4722

P\_value > 0.05 => Accept H0

Therefore Unit A= Unit B

1. Ho: Laboratory 1 = Laboratory 2 =Laboratory 3=Laboratory 4

H1: Laboratory 1 ≠ Laboratory 2≠Laboratory 3≠Laboratory 4

P\_value= 2.1156708949992414e-57

P\_value < 0.05 => Reject H0

Therefore Laboratory 1 ≠ Laboratory 2≠Laboratory 3≠Laboratory 4

Hence there is difference in average TAT

1. Ho: All proportions are equal

H1: All proportions are not equal

P\_value= 0.66

P\_value > 0.05 => Accept H0

Therefore All proportions are equal.

1. Ho: Defective % does not varies by center

H1: Defective % varies by center

P\_value= 0.277

P\_value > 0.05 => Accept H0

Therefore Defective % does not varies by center.