

Hypothesis Tests

1. The time to implement projects is required to be less than 40 days as per company policy. Data has been collected for few projects. Then the team improved the process by providing data visibility to delays. The Project Implementation Lead Time were again measured for few samples after implemented. (File: Nonparametric Data_Practicefile.xls ; Data Set 1)
 - i) Was there any improvement? Is there pre-process below target?
 - ii) Is there statistical improvement?
2. A software development team updates the software product and tests the changes. The testing time for several software updates has been collected. Some improvements were done to the testing methods. Are the improvements statistically significant? (File: Nonparametric Data_Practicefile.xls ; Data Set 2)
3. The Cpk for a process was computed during different trials. Then necessary changes were carried out and again measured. Is there statistically significant improvement in Cpk? (File: Nonparametric Data_Practicefile.xls ; Data Set 3)