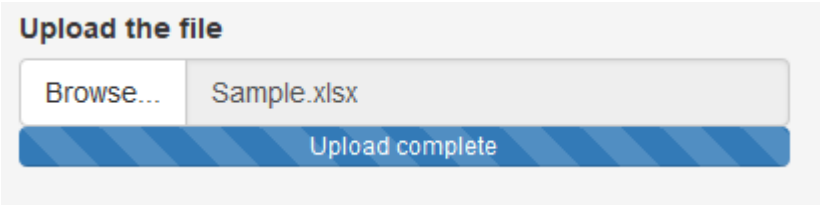
Usage Guide: Forecasting Tool – PREDICT

1. Login to your account with your user name and credential
2. Upload Quality Parameters data through upload option.



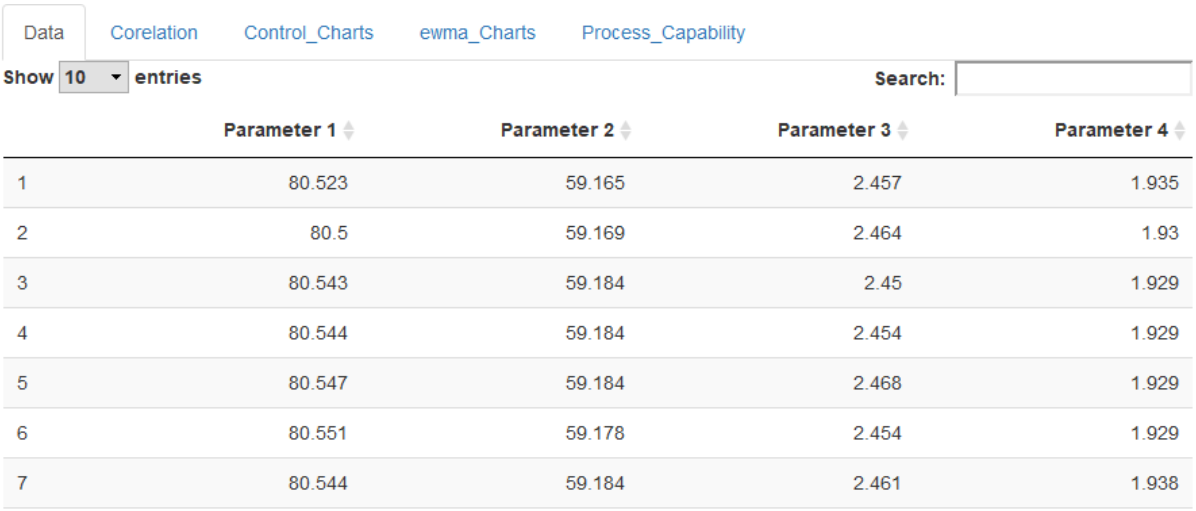
3. The tool only supports excel and csv format. Upload - .xls/.xlsx/.csv format only
4. Quality Data format required for Upload:

Parameter 1	Parameter 2	Parameter 3	Parameter 4
80.523	59.165	2.457	1.935
80.5	59.169	2.464	1.93
80.543	59.184	2.45	1.929
80.544	59.184	2.454	1.929
80.547	59.184	2.468	1.929
80.551	59.178	2.454	1.929
80.544	59.184	2.461	1.938
80.582	59.189	2.456	1.934
80.562	59.18	2.456	1.927
80.56	59.185	2.457	1.925
80.582	59.184	2.461	1.929
80.564	59.183	2.45	1.929
80.566	59.183	2.455	1.923
80.562	59.171	2.457	1.924
80.56	59.122	2.432	1.924
80.558	59.103	2.432	1.922
80.56	59.171	2.435	1.916
80.56	59.185	2.435	1.924
80.56	59.122	2.435	1.925
80.56	59.11	2.432	1.922
80.568	59.099	2.435	1.94
80.575	59.207	2.444	1.94
80.463	59.082	2.435	1.938
80.465	59.083	2.435	1.935
80.496	59.181	2.432	1.94
80.56	59.209	2.409	1.94
80.568	59.23	2.403	1.94
80.464	59.133	2.449	1.94
80.483	59.145	2.449	1.94
80.49	59.16	2.448	1.94
80.505	59.135	2.448	1.94

Arrange data vertically (each column representing quality parameter). You can put any number of columns you require to analyse. The first row represents the header or name of Quality Parameter under investigation. In the above example there are 4 Quality Parameter data with 31 observation each. The tool requires each column to have equal observation. An error will be thrown during analysis if column has different number of observations.

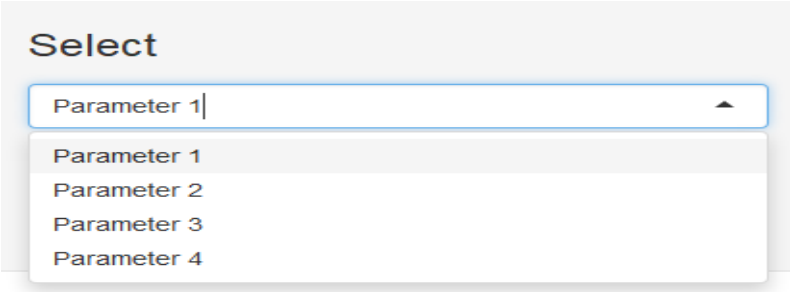
5. Put quality parameter data in each column with header as name of parameter in first row. Sr. No in 1st column is not required
6. You can analyse any number of quality parameter data; the tool doesn't limit number of data that can be analyzed. You can also put any number observation under each quality parameter with only condition that all column should have equal number of observations.
7. Select Header and file type while uploading data

8. After upload you can view the data under Data Tab



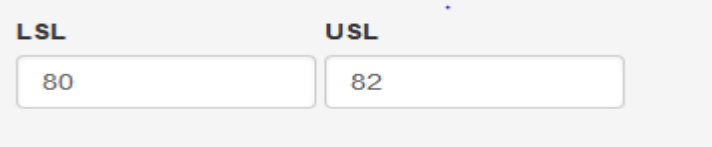
	Parameter 1	Parameter 2	Parameter 3	Parameter 4
1	80.523	59.165	2.457	1.935
2	80.5	59.169	2.464	1.93
3	80.543	59.184	2.45	1.929
4	80.544	59.184	2.454	1.929
5	80.547	59.184	2.468	1.929
6	80.551	59.178	2.454	1.929
7	80.544	59.184	2.461	1.938

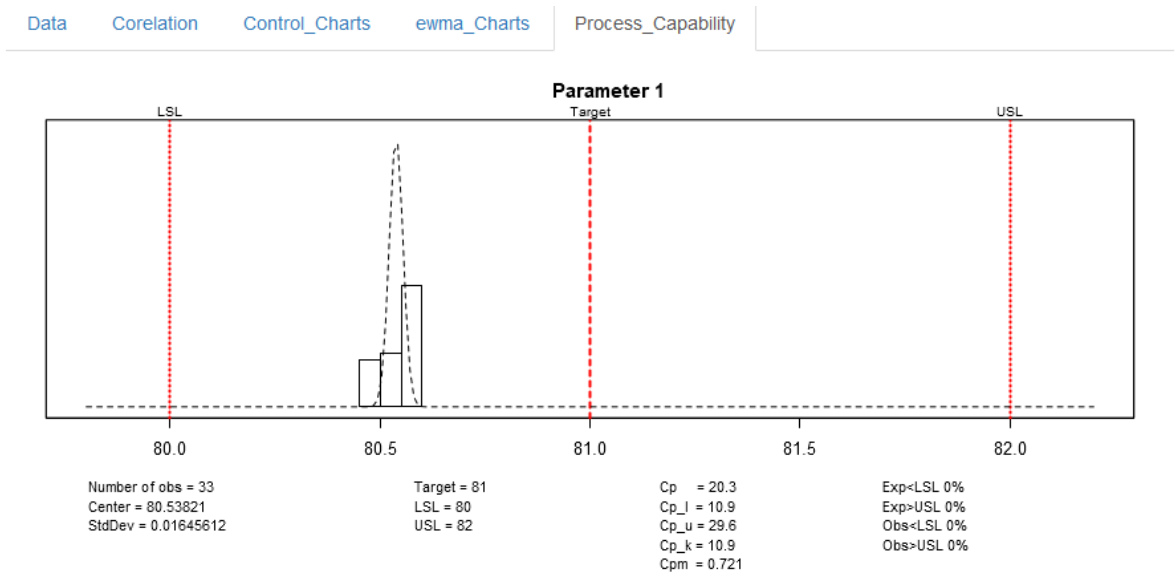
9. Select the parameter from drop down for which quality dashboard is required



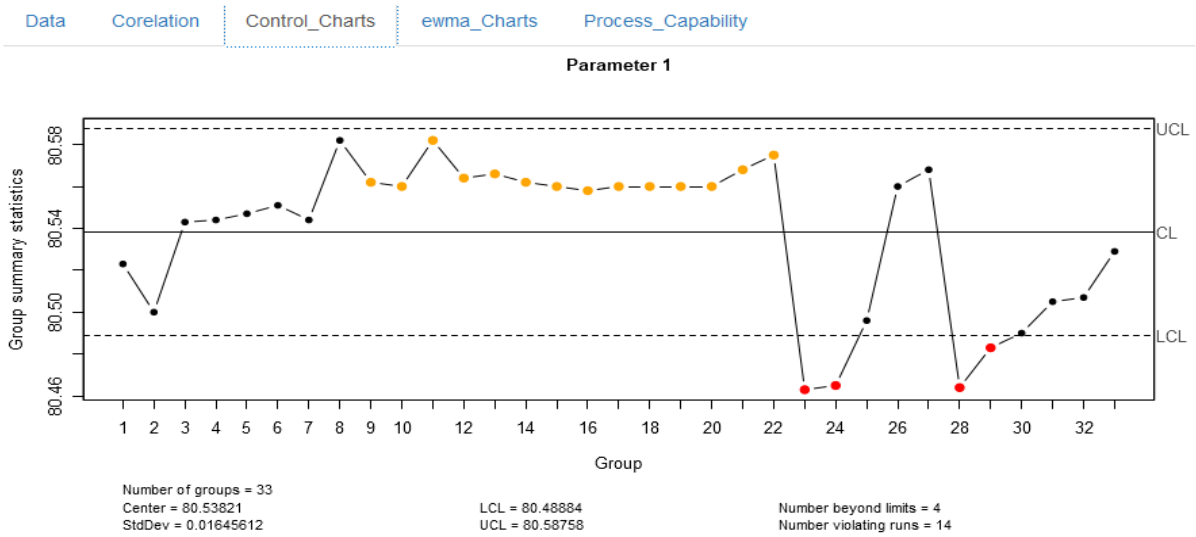
10. Analytics Platform Option
    a. Control Charts of Quality Parameters: All 8 rules inbuilt
    b. EWMA charts of Quality Parameters
    c. Correlation between various quality parameters
    d. Process Capability with Cp and Cpk Values: When both Cp and Cpk are greater than 1 process capability is adhere to quality requirement.

11. LSL and USL value: Please put LSL and USL value to calculate Process Capability Parameters for each quality parameter. The graph is interactive and you can change LSL & USL to see impact on process capability





12. Under Control Chart Tabs: Control chart for Quality Parameter can be seen



Tool Snapshot