



# LEAN SIX SIGMA STATISTICAL TOOLS, TEMPLATES & MONTE CARLO SIMULATION IN EXCEL

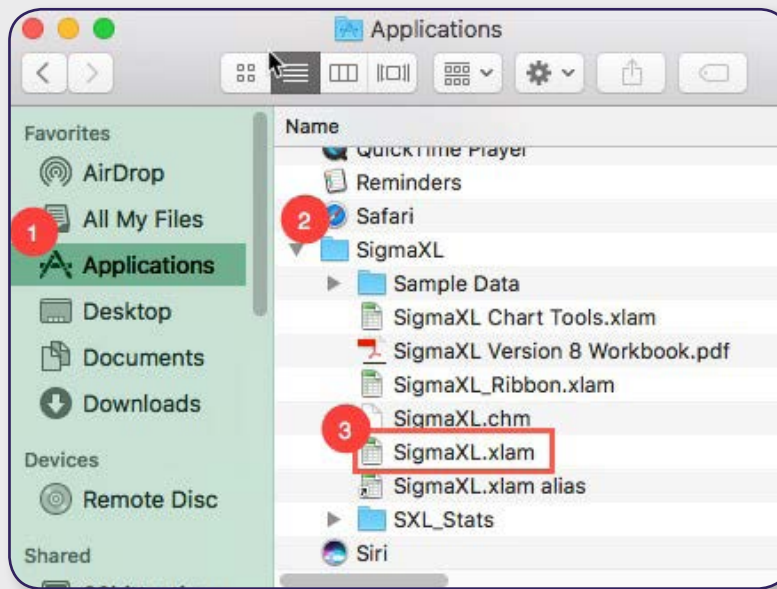
## WELCOME TO SIGMAXL FOR MAC

To verify your installation please complete the 3 following examples.

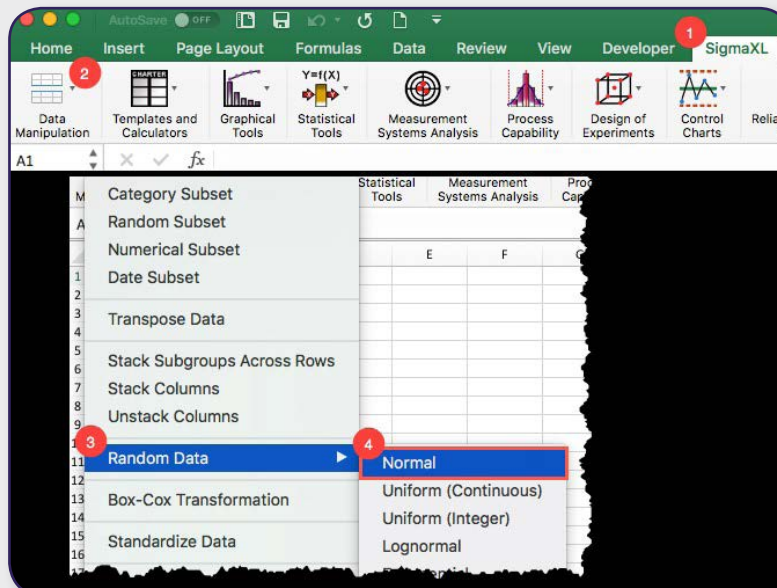
If you do not receive the expected results, please try completing our [Troubleshooter](#).

### NORMAL RANDOM DATA

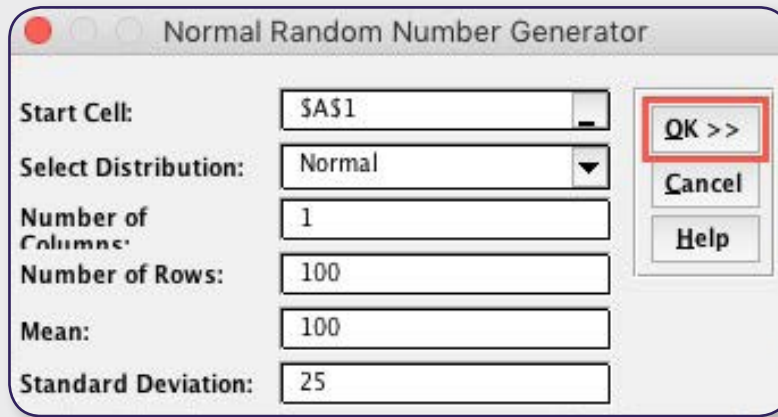
1 Start SigmaXL by clicking **Finder > Applications > SigmaXL > SigmaXL.xlam**.



2 Within Excel, select **SigmaXL > Data Manipulation > Random Data > Normal**.



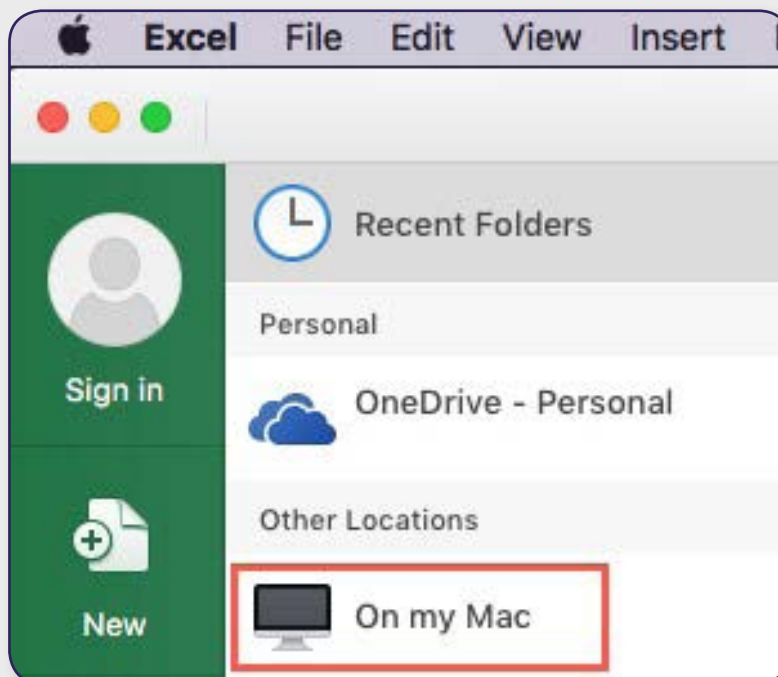
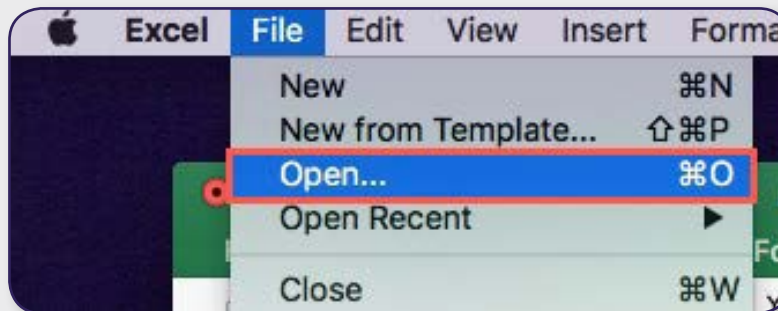
3 Click **OK**



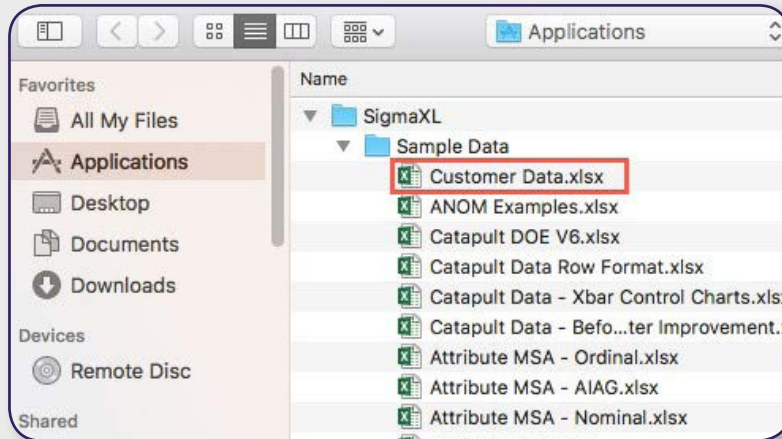
4 A new sheet will be created showing 100 rows of random data.

## DESCRIPTIVE STATISTICS

1 To open the SigmaXL sample data folder, select **File > Open > On My Mac**.



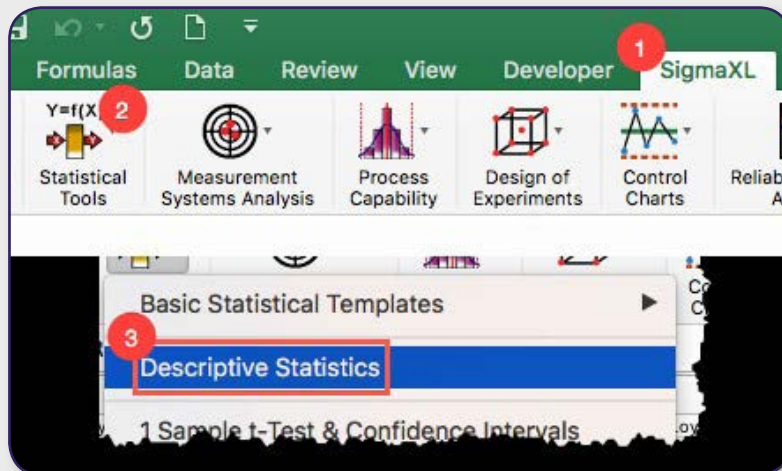
2 Click **Applications** and expand **SigmaXL > Sample Data** and double click the file **Customer Data.xlsx**.



3 We will run **Descriptive Statistics**,



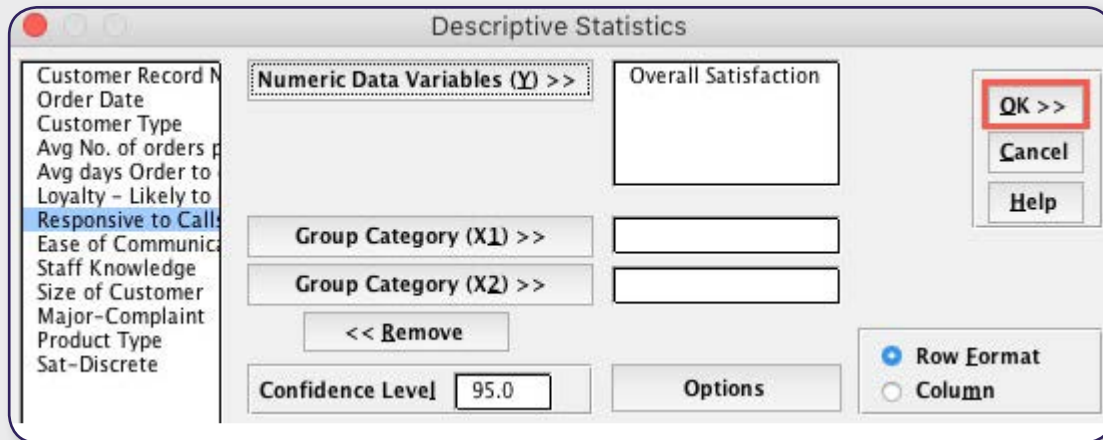
Select **SigmaXL > Statistical Tools > Descriptive Statistics**.



4 Click **Use Entire Data Table** and click **Next**.



5 Select “Overall Satisfaction” for Numeric Data Variables (Y). Click OK:



6 Your results should match those shown below.

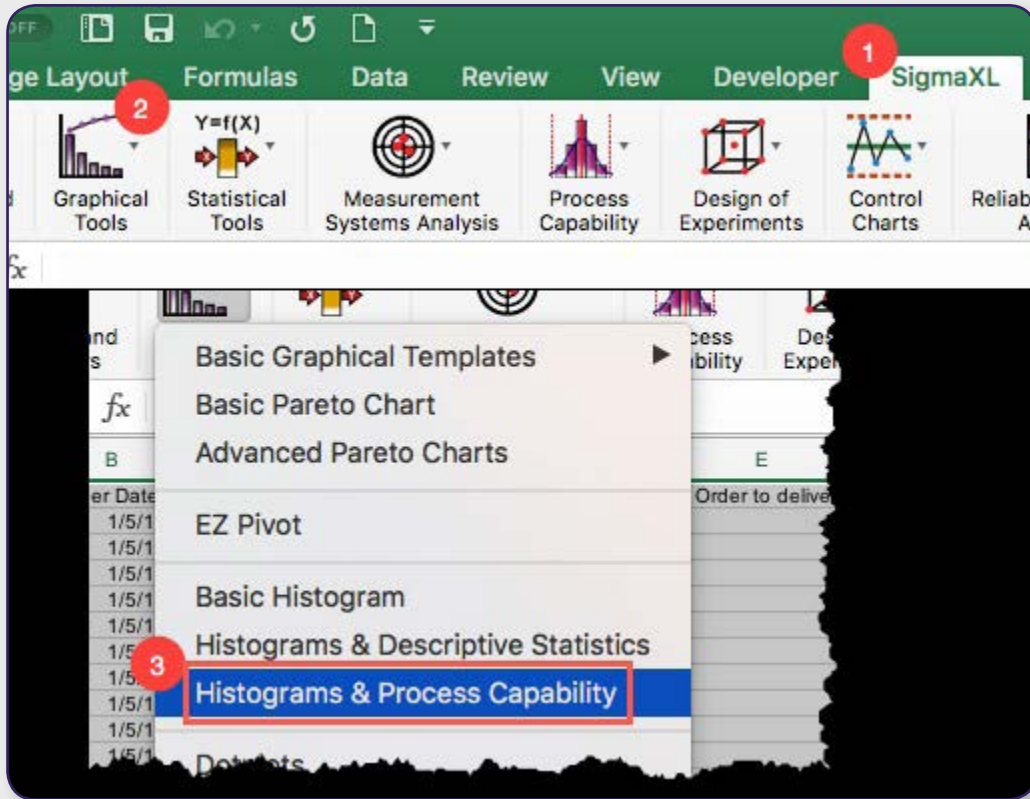
Descriptive Statistics	Overall Satisfaction
Count	100
Mean	3.801
StDev	0.782461
Range	3.260
Minimum	1.720
25th Percentile (Q1)	3.245
50th Percentile (Median)	3.945
75th Percentile (Q3)	4.430
Maximum	4.980
95.0% CI Mean	3.646 to 3.9566
95.0% CI Sigma	0.68701 to 0.90897
Anderson-Darling Normality Test	0.803438
P-Value (A-D Test)	<b>0.0363</b>
Skewness	-0.486166
P-Value (Skewness)	<b>0.0461</b>
Kurtosis	-0.403487
P-Value (Kurtosis)	0.3764

## HISTOGRAM AND PROCESS CAPABILITY

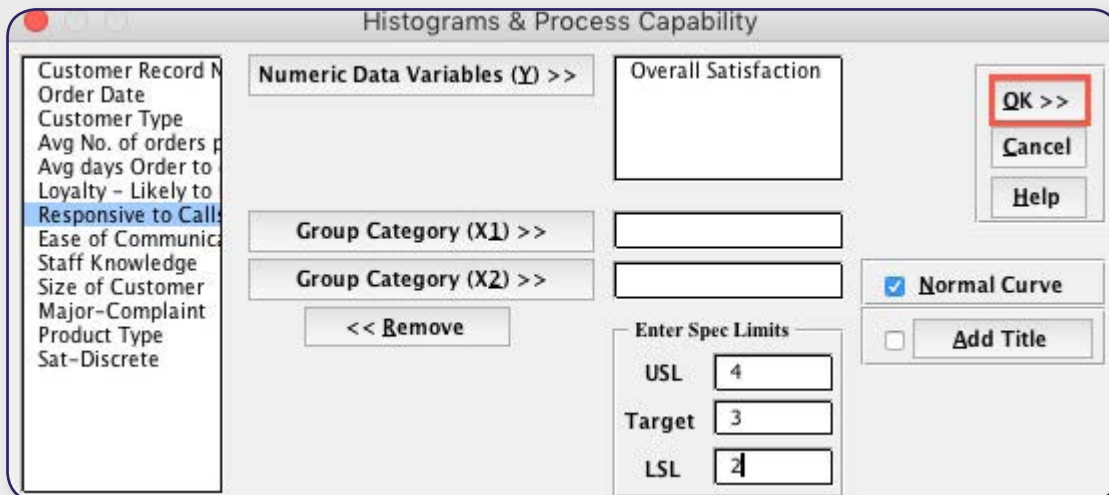
1 Return to the datasheet (Sheet 1), alternatively you can press F4.



2 Select **SigmaXL > Graphical Tools > Histograms & Process Capability**.

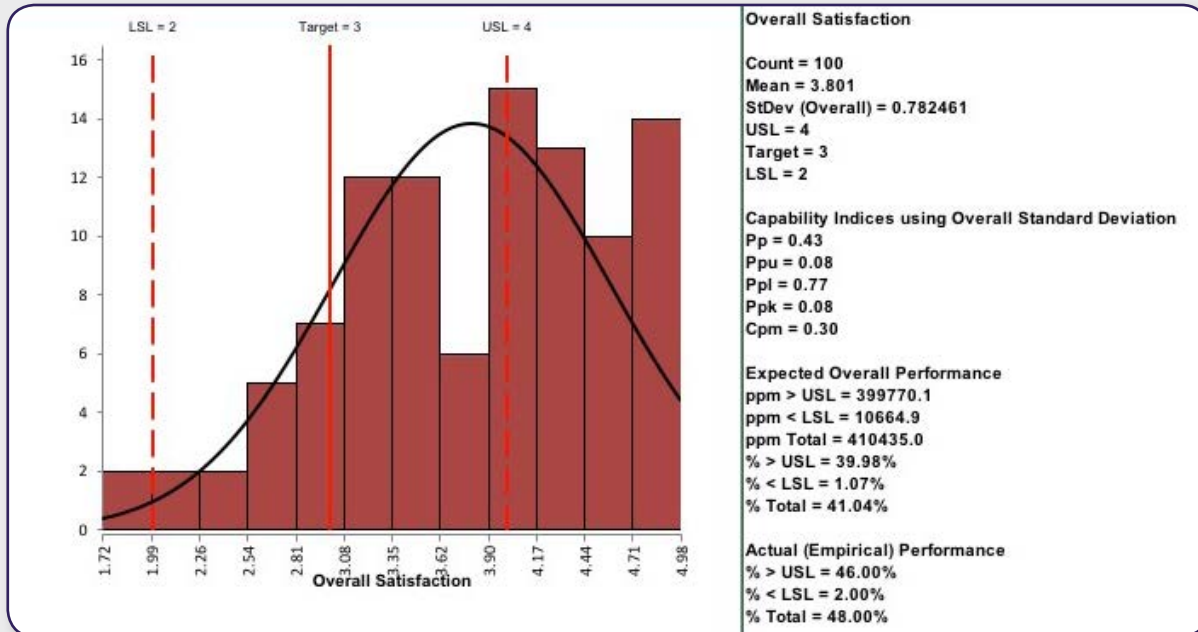


3 Select “**Overall Satisfaction**” for **Numeric Data Variables (Y)**, and set **USL = 4**, **Target = 3**, and **LSL = 2**. Click **OK**:



4

If your results match those below, you have successfully set up SigmaXL.



## Good luck with your course!

**New to SigmaXL?** We have multiple resources to help.

Every license includes the SigmaXL Guide and the data sets referenced in it. The guide includes examples of many of the features in SigmaXL and can be accessed at [SigmaXL > Help > SigmaXL Guide](#) (note a CHM reader is required to open the help on a Mac). The data sets can be found by going to [File > Open > On My Mac](#), clicking [Applications](#) and expanding [SigmaXL > Sample Data](#).

We have also put together a webpage that contains links to videos, online guides, training resources, and more:

### [SigmaXL Resources](#)

If you have any questions that are not addressed by the website above we recommend searching through the various topics in our Help Desk. While on our Help Desk, feel free to submit a support ticket if you have any questions you can't find the answers to.

If you have further questions, our support team can also be contacted directly at [support@sigmaxl.com](mailto:support@sigmaxl.com).



If you have any questions or concerns, you can always contact [SigmaXL](#).

#### CONTACT INFORMATION

**Email:** [Support@SigmaXL.com](mailto:Support@SigmaXL.com)

**Phone:** 1-888-SigmaXL (1-888-744-6295) or 1-519-579-5877

**Web Support:** [Help Desk](#) | [Live Help](#) | [Troubleshooter](#)