

Data Analysis & Visualization for Plant Breeding Research

Basic Online Course for Undergraduate & MS Students

Class Outlines

	Topics	Reading Materials
Class 1	<ul style="list-style-type: none">▪ Code of Conducts▪ Installation of R, RStudio, Rtools	<ol style="list-style-type: none">1. Interpret Barplots2. Interpret Boxplots3. Interpret Violin plots4. Descriptive Statistics
	<p>Theory</p> <ul style="list-style-type: none">▪ Descriptive Statistics<ul style="list-style-type: none">➤ Mean, Median, Mode➤ Standard Deviation➤ Standard Error of Mean➤ Skewness➤ Kurtosis➤ Normality of Data➤ Outlier in a dataset▪ Histogram, Bar plot, Boxplot, Violin Plot	

Download Links:

- [R](#)
- [RStudio](#)
- [RTools](#)
- [Minitab](#)

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