

Small-Sample-Size Statistics In Agriculture, How to maximize Business Value

November 3, 2016

What is the Objective of an Conducting Any Experiment?

Optimization

Simulation

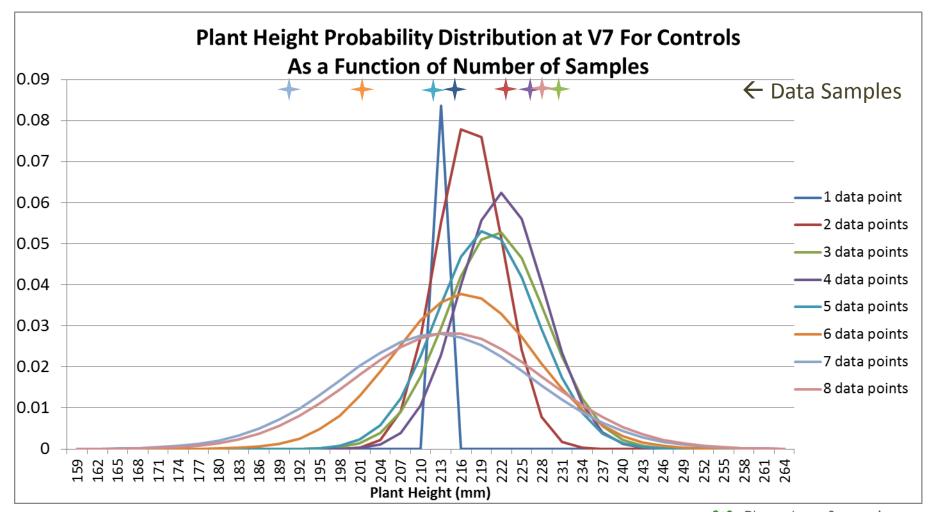
Explanation

Prediction

Description

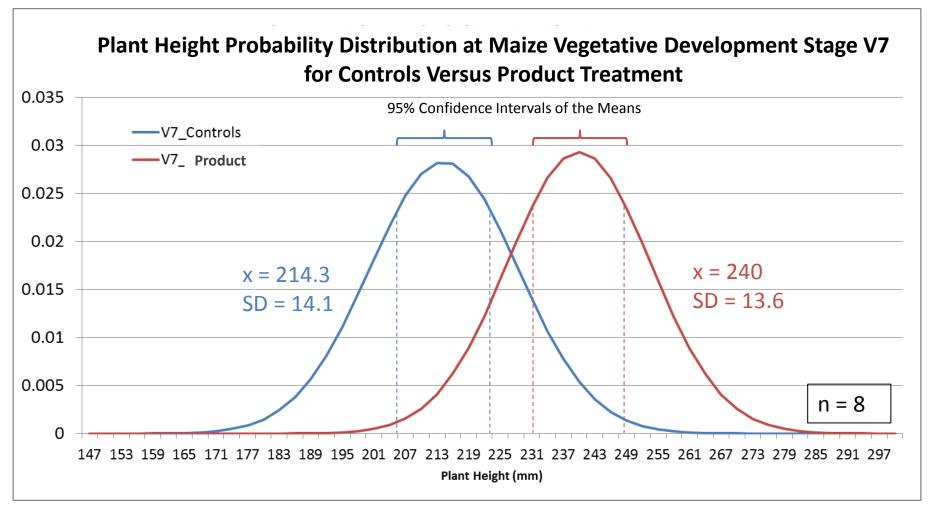


More Samples Give Better Approximation of Population





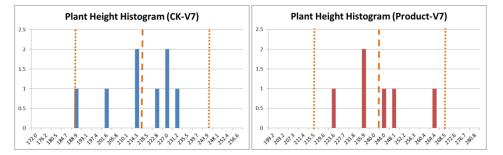
Null Hypothesis Disproved ($\alpha = 0.05$)



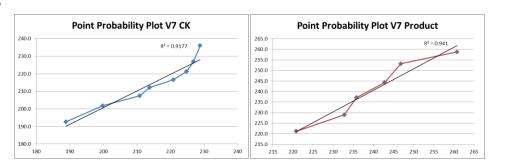


Preceding Assumed Data From a Normal Distribution

- Various Approaches to Checking for Normality
 - Graphical (Histogram)
 - Rank order data
 - Generate a histogram



- Graphical (Point Probability Chart)
 - Plot above data against ideal normal distribution data





Confidence Level Does Not Decrease Monotonically with Number of Plants

