APS Workshop

**Presentation Block 1:** Background on Soilborne Disease and Review of Linear Statistics

* Overview of ANOVA and GLM and assumptions
* Unequal Variance (GLS), Non-normal, Equal Variance (Mixed Effects)

*Problem Case(s)*

* Normal Distribution Dataset
* GLS Dataset
* Mixed Effects Dataset

**Presentation Block 2:** Experimental Designs for Field Trials

* RCBD
  + RCBD with Subsampling
* Latin Square
* Paired Plot(?)

*Problem Case(s)*

* RCBD
* RCBD with subsampling
* Latin square
* Paired plot

**Presentation Block 3:** Sampling Strategies

* Hierarchical Sampling
* Spatial sampling
* Subsamples
* Soil probe vs shovel
* Molecular vs In vitro data
* Stratified Sampling
* Directed Sampling

*Problem Case(s)*

**Presentation Block 4:**