Phase 2

**Modeling**

* Load in the master data which is in the Phase 2 Folder
* Created alpha model
  + Example: poly(n,2) will add n and n2
  + ­poly(n,2)1 is n and ploy(n,2)2 is n­2
  + : is multiplication
* Create a beta model
* Make data frame include predicted model predictions.
* The Master Model data file is the new master data file.
  + Includes n, theta, rho, MLE\_Alpha (Simulated Alpha), MLE\_Beta (Simulated Beta), fita (Predicted Alpha), fitb (Predicted Beta).
  + Will load in as df.Rho
* Created 3D of predicted plots using Plotly package.
  + Color signifies Rho