Visualizing Uncertainty in Lifespan Predictions

Ian Hill – CPSC 547 Project Pitch
• Reliability engineers need to analyze IC test data and lifespan predictions
• Test data tracks degradation of different electrical parameters
• I have real data, and can simulate other datasets we need for the project
• Preference to develop tool using Python
• Derived quantities are what make this project interesting
• User needs to predict lifespan, compare models, analyze sensitivity
• Topic is a rabbit hole of complexity, can scope project to our abilities
