

1. The Nonparametric Model does not specify a probability distribution prior to estimating parameters. The parametric model does require that we specify an expected distribution of the relationship and the error before we begin our analysis.
2. Interpolation is a prediction within the range of measured data, extrapolation is a prediction outside of the bounds of the measured data range.
3. Extrapolation has more pitfalls than interpolation because it requires making assumptions about data that we do not have, and is beyond what we can visualize. Because of this lack of knowledge, if we assume and choose the model incorrectly, then we end up with very wrong predictions about the extended data set.