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I worked by myself

Q1. The nonparametric model only requires the deterministic component - no error component.
The parametric model requires the error component and the deterministic component.

Q2.

 Interpolation- a prediction that stays within the bounds of the collected data. Making a
prediction "within" data.

Extrapolation – a prediction that falls outside the boundaries of the data. Making a
prediction "outside" of data

Q3.

Because there is no stochastic/random component to extrapolation , you cannot estimate
error or confidence. Choosing a model that predicts the data is more challenging in extrapolation,
because you are making predictions outside your data and thus there is a higher likelihood it is not
accurate.