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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.