Forecasting Calculation Methods and Use Cases

Optimization

Technology

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Why do we need Forecasting, and what are the common Use Cases?

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Forecasting

Use Cases	Inputs to
Calculate the expected Traffic increase.	Capacity evaluation and preparation for Future projects.
Calculate PRB Utilization Growth Per/For Cell/Network.	Proactively identify future network bottlenecks and Locate the development areas/Cells.
Calculate 4G & 5G Traffic Share and Growth factor.	Identify the right timing for reframing or investment.

Forecasting Calculation Methods

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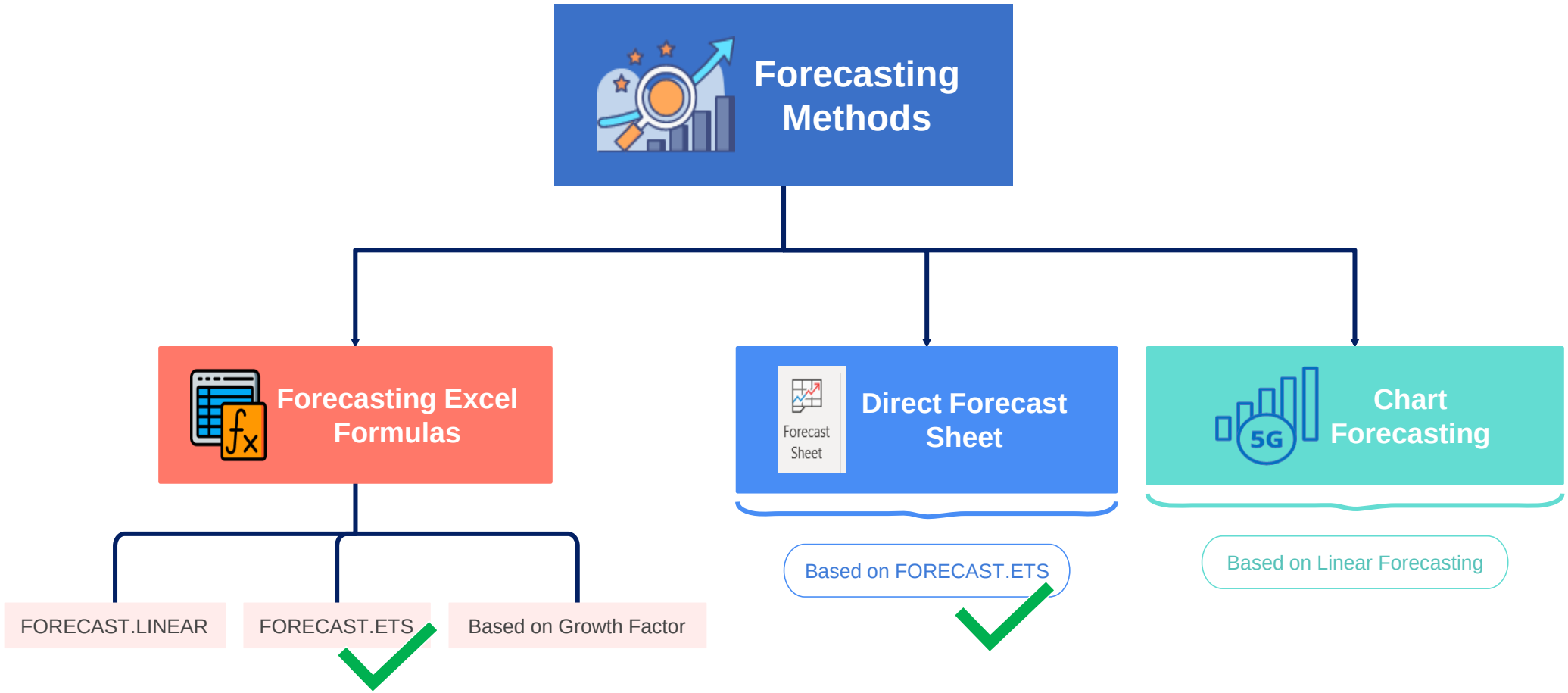
In general, there are 3 different forecasting methods which all rely on historical data; Microsoft Excel can generate all these methods.



***ETS function → (Exponential Smoothing algorithm)**

Examples for Use Cases_ Linear Trend

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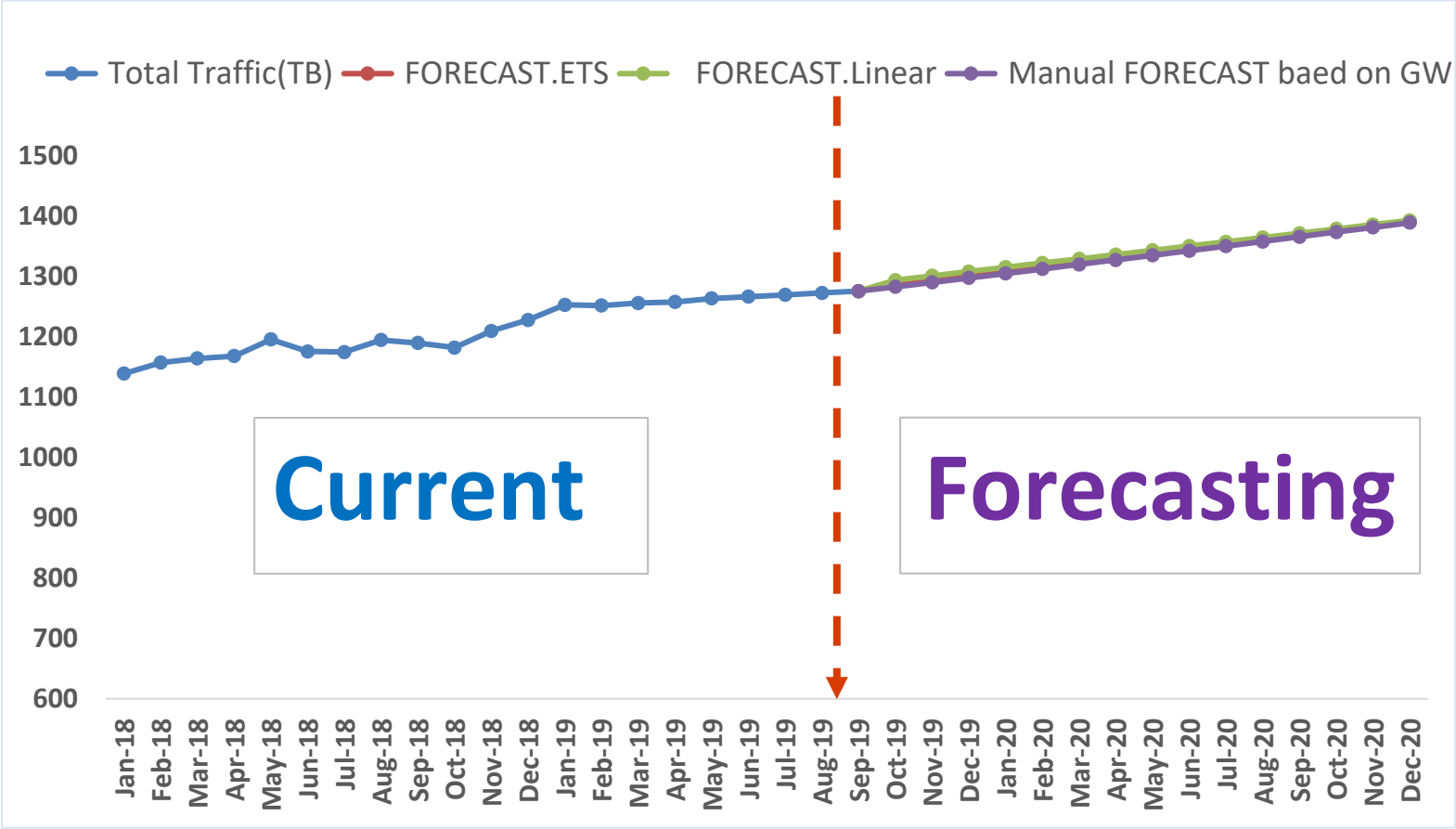
There are no major differences between different forecasting methods in case if the Historical data is following linear trend



Examples for Use Cases_ Seasonality Involved_Peaks

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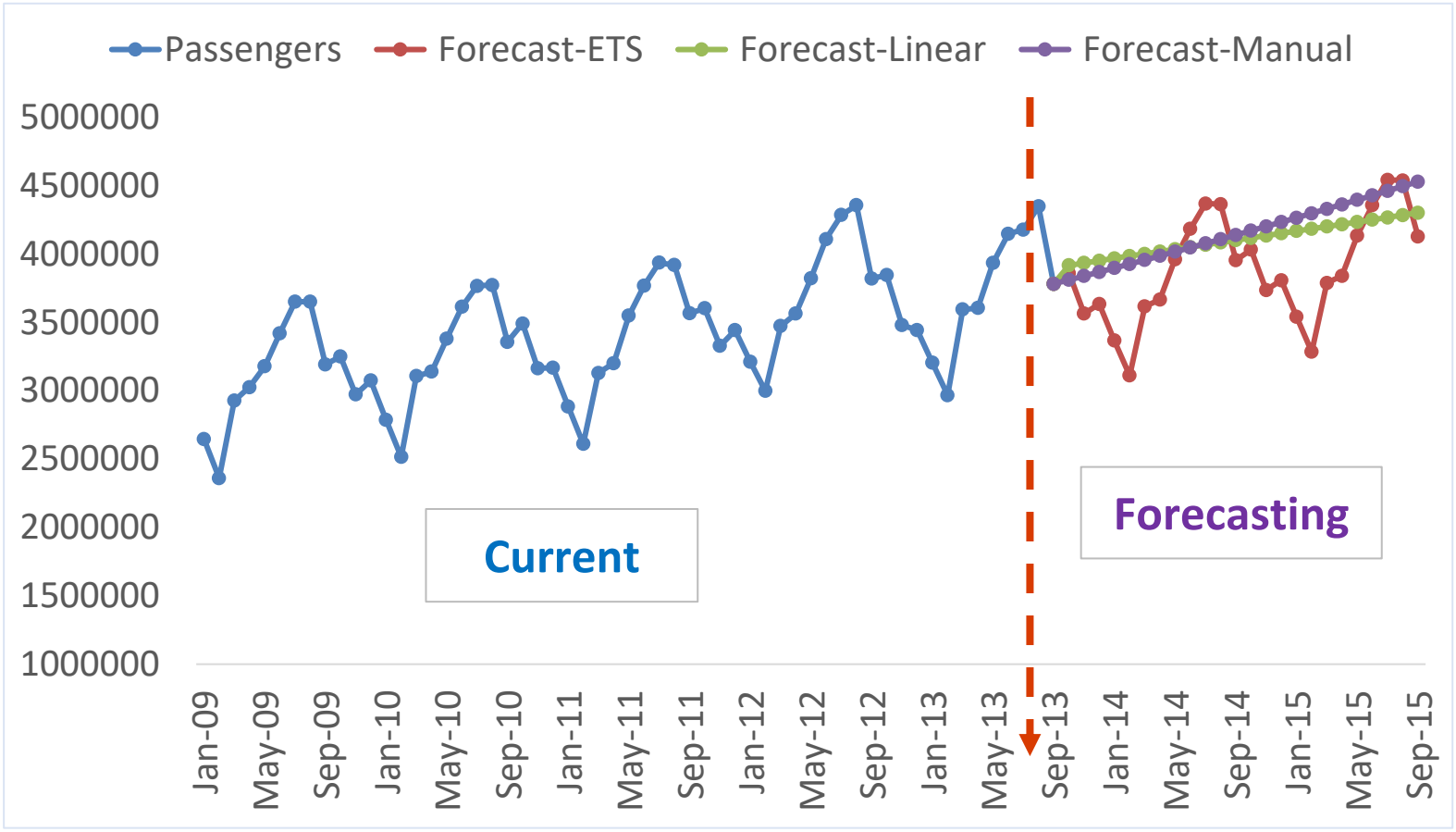
Definitely, There is some seasonality involved in the below trend; accordingly, a linear trend can`t be used to predict the following year's data.