



Time Series Checklist

Achievement

l can:	
	☐ Select a variable from the time series data to investigate
	☐ Select and use appropriate display(s) to graph the data (e.g. line plot, time plot)
	☐ Identify key features in the data such as trend and seasonality
	☐ Find an appropriate model (e.g. additive, exponential smoothing) to describe the time series
	☐ Use the model to make a forecast
Merit	
I can	
	☐ Justify the selection of the variable to investigate based on the research and purpose
	☐ Select appropriate and well-formatted displays to present the data
	☐ Relate the identified features in the data (e.g. trend, seasonality) to the context
	☐ Justify the appropriateness of the chosen model across the full range of data
	☐ Provide a justified forecast, including a discussion on the precision and reliability
Excelle	ence
I can:	
	☐ Develop a clear purpose for the investigation based on the research and select appropriate variables
	☐ Create high-quality and informative data displays, demonstrating strong data visualization skills
	☐ Integrate statistical and contextual knowledge to provide deep insights about the features in the
	data
	 Evaluate the adequacy of the chosen model, potentially fitting alternative models and justifying the best approach
	☐ Provide a forecast with a thorough statistical and contextual justification, including an evaluation of the model's validity