

DATA2001 – Assignment 3 Marking Grid

Task 1	Missing or incorrect answer (0)	Used an appropriate index for data handling. Provided no side information or incorrect reasoning on choice of side information. (1)	Used an appropriate index for handling and identified useful side information. Failed to merge data correctly or provided poor or incorrect reasoning. (2-3)	Used an appropriate index for handling and identified useful side information. Merged data correctly, and provided sound reasoning for choice. (4)
Task 2	Missing or incorrect answer (0)	Produced some basic timeseries plots, but no attempt at visualising correlation or uncertainty. No discussion of patterns in plots provided. (1)	Produced some basic timeseries plots, and attempted to visualise correlation or uncertainty. Provided simple discussion of patterns in plots. (2-3)	Produced complete set of timeseries plots including visualisations of correlation and/or uncertainty. Provided good discussion of patterns in plots. (4)
Task 3	Missing or incorrect answer (0)	Test and training data correctly split. Decomposition attempted but incorrectly performed or interpreted, and/or no attempt to visualise de-composition components. (1-2)	Test and training data correctly split. Decomposition procedure followed but poor interpretation given. Some attempt to visualise decomposition components (3-4)	Test and training data correctly split. Decomposition performed and excellent interpretation provided. Decomposition components appropriately visualised. (5)
Task 4	Missing or incorrect answer (0)	Appropriate ARIMA model estimated but interpretation of parameter estimates poor. Method used to produce forecasts contained errors. No attempt at visualising forecasts provided. (1)	Appropriate ARIMA model estimated and displayed good understanding of parameter estimates. Forecasts generated using correct method and an attempt was made to visualise them. (2-3)	Appropriate ARIMA model estimated displayed good understanding of parameter estimates. Forecasts generated using correct method and appropriately visualised, including uncertainty. (4)
Task 5	Missing or incorrect answer (0)	Chose an appropriate pure forecaster but failed to train it correctly. Method used to produce forecasts contained errors. No attempt at visualising forecasts. (1)	Chose an appropriate pure forecaster and trained it correctly. Forecasts generated using correct method and an attempt was made to visualise them. (2-3)	Chose an appropriate pure forecaster and trained it correctly. Forecasts generated using correct method and appropriately visualised, including uncertainty. (4)
Task 6	Missing or incorrect answer (0)	Displayed correct understanding of forecast evaluation methods, but incorrectly applied. Provided no comparison of forecasters and no avenues for improvement. (1-2)	Displayed good understanding and application of forecast evaluation methods. Provided a good comparison of forecasting approaches and identified valid avenues for future forecaster improvement. (2-3)	Displayed excellent understanding and application of forecast evaluation methods. Provided a very good comparison of forecasting approaches and identified good avenues for future forecaster improvement. (4)