

Mark Scheme: MAS6011/61 Project 2 (2017-18)

Registration no.		170138286
Task		Comments
Part (a)	1. EDA	OK, but limited. You could use decompositions And histograms.
	2. Discussion	OK.
	Structure of data, seasonality, non-stationarity, decomposition	Limited.
	3. Plots	Fine.
Part (b)	1. Modelling / Forecasting	
	Seasonality, deal with frequency, correct modelling approach, choice of forecasting	You transformed the data to quarter frequency. A state space model is used. Seasonality is dealt well, but you may lose too much info by quarter frequency. Better would be monthly.
	2. Discussion	Good.
	ARIMA/state space, diagnostics, parsimony, prediction intervals	Good to estimate the variances and good choice Of model. You say MSSE is higher than one, But is lower than one!
	3. Plots	OK. Some plots good. In Fig 3 I couldn't see All lines.
	Forecast plot(s), prediction intervals	Good, interval forecasts done and good plots. I like Figure 4. Good discussion on the bias.
Overall	Presentation, language, R annotation	Well written. Figures referenced.
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