View Report

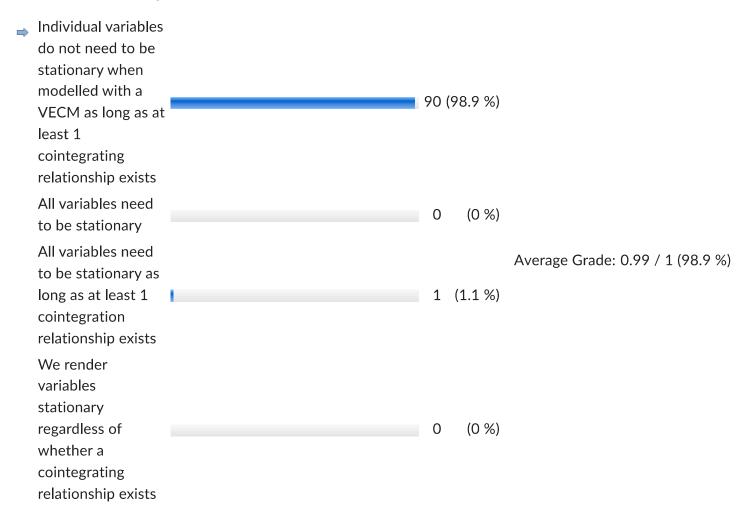
R1

(Number of First Attempts: 91)

MCQ

Question 1

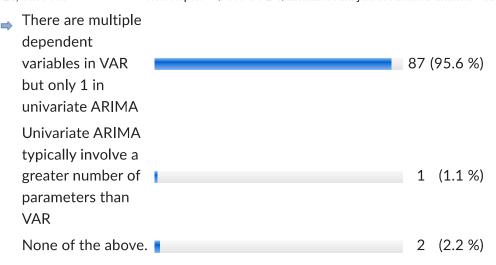
Which of the following is true of a Vector Error Correction Model (VECM)?



Question 2

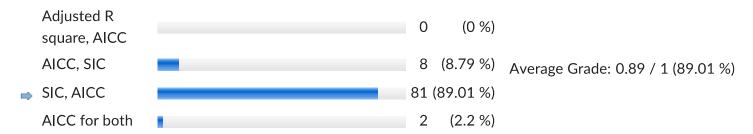
What is the main difference between vector autoregression (VAR) and univariate ARIMA?

Variables do not Average Grade: 0.96 / 1 (95.6 %) need to undergo differencing in VAR 1 (1.1 %) to render them stationary



Question 3

What is the best practice model selection criteria to use for (i) VAR and (ii) ARIMA respectively?



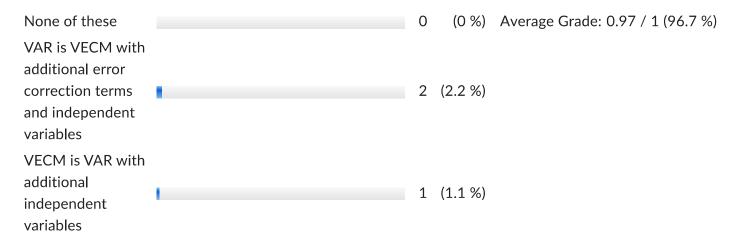
Question 4

Which model selection criteria has the highest penalty factor for additional hyperparameters?



Question 5

What is the relationship between VAR and VECM?

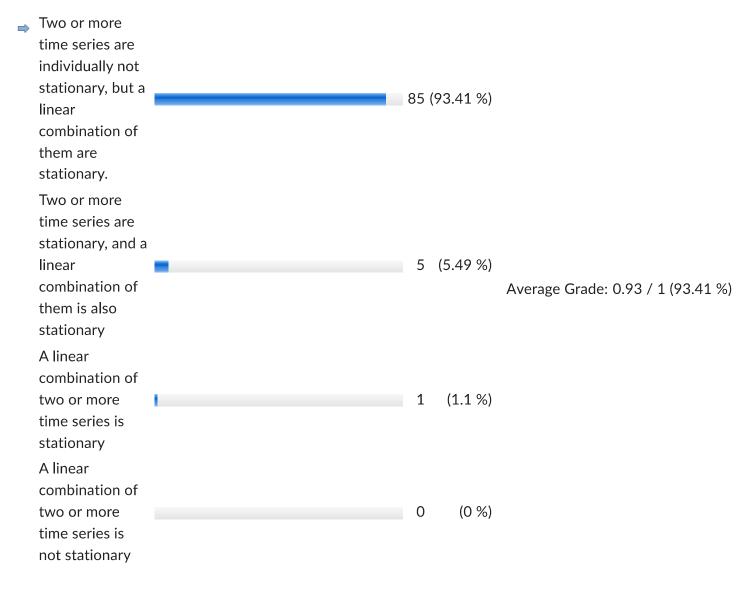


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Question 6

What is the explanation of cointegration?



Question 7

Which of following is intuition behind VECM?

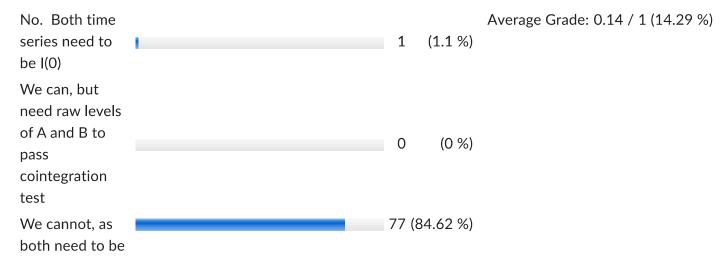
There is a long run 3 (3.3 %) Average Grade: 0.97 / 1 (96.7 %) relationship between a group

of variables.
Whenever spot
values deviate
from this, we use
this to update our
estimate of the
long run
relationship

relationship There is a long run relationship between a group of variables. Whenever current spot values deviate from long run 88 (96.7 %) relationship, we can forecast mean reversion back towards the long run. This allows us to strengthen our forecasts We estimate long run relationship between a group (0 %)of variables and use that to guide our joint forecast None of these (0 %)

Question 8

Time series A is I(1) while time series B is I(0). Can we build a VECM?

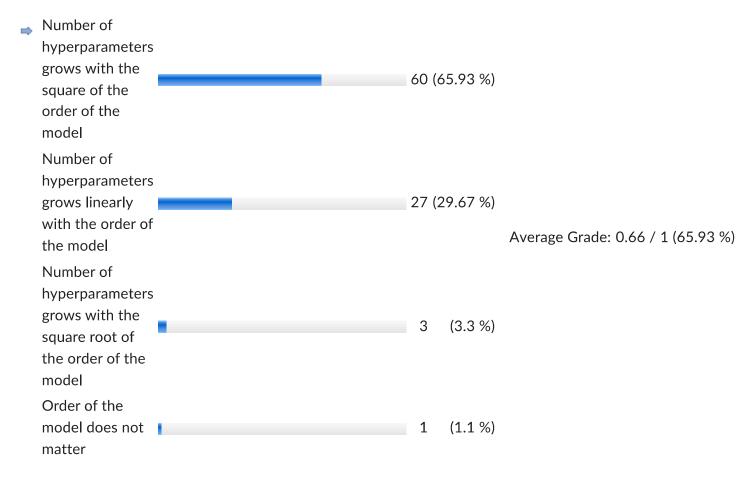


Question 9

test

cointegration

Which of the following is true about the number of hyperparameters in a VAR/VECM model?



Question 10

Can we include terms involving other independent variables in a VECM?

