View Report

R1

(Number of First Attempts: 41)

MCQ

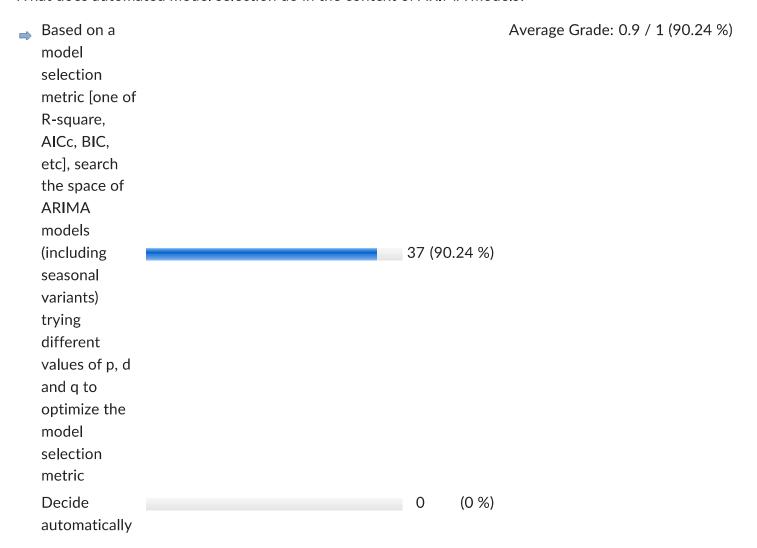
Question 1 Difficulty: 1

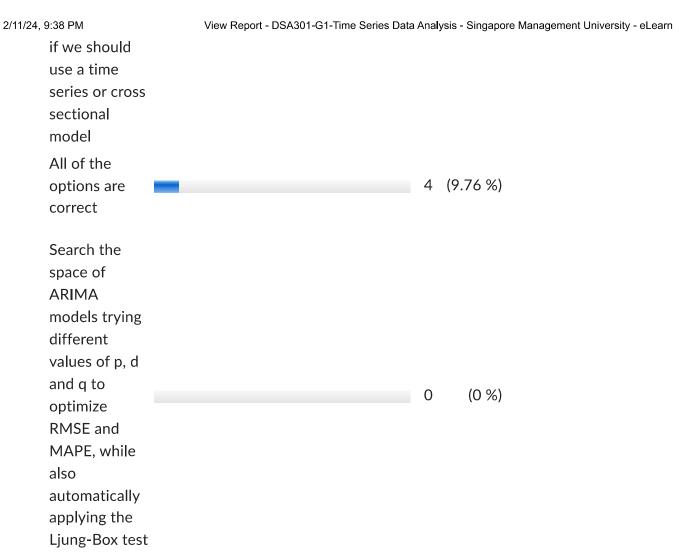
What is the appropriate time series model selection criteria?



Question 2 Difficulty: 1

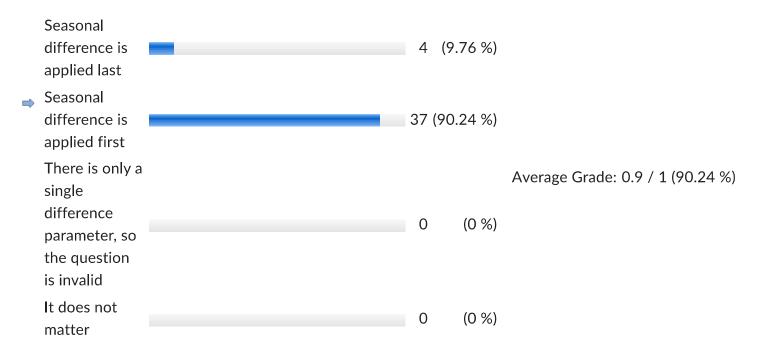
What does automated model selection do in the context of ARIMA models?





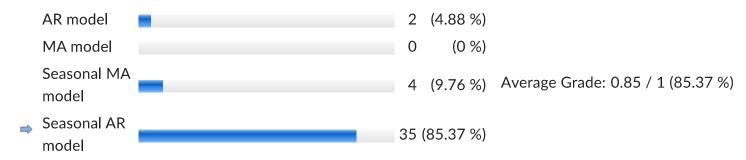
Question 3 Difficulty: 1

For a seasonal ARIMA model, ARIMA(p,d,q)(P,D,Q), is the seasonal difference D applied first or last?



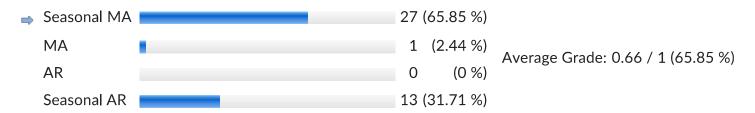
Question 4 Difficulty: 1

Consider an ACF on a monthly variable that has an exponentially decaying relationship at lags 1,12,24,36. Other ACF columns are close to 0 [or not significant]. What is the most likely model?



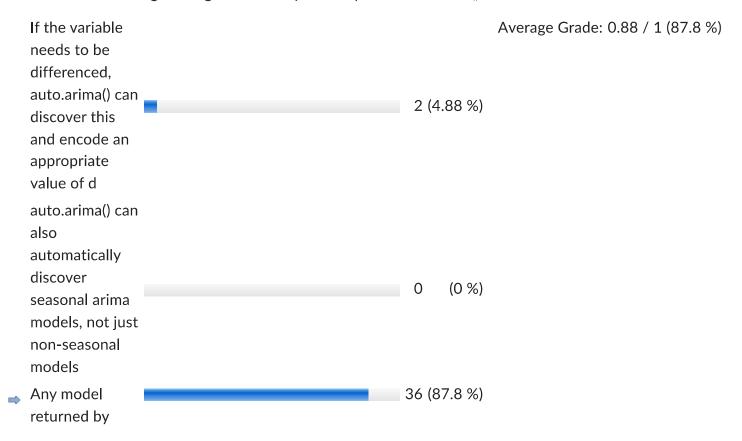
Question 5 Difficulty: 1

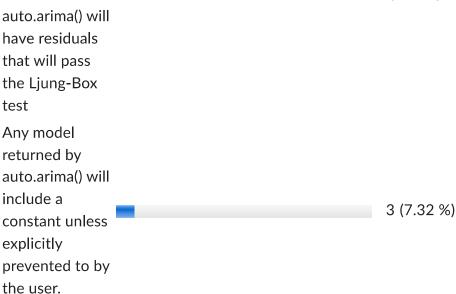
Consider a PACF for a variable with rapidly decaying columns at lag 1, 12, 24, 36, etc, and other columns close to 0 [or not significant]. Absent any other information, what is the most likely model?



Question 6 Difficulty: 1

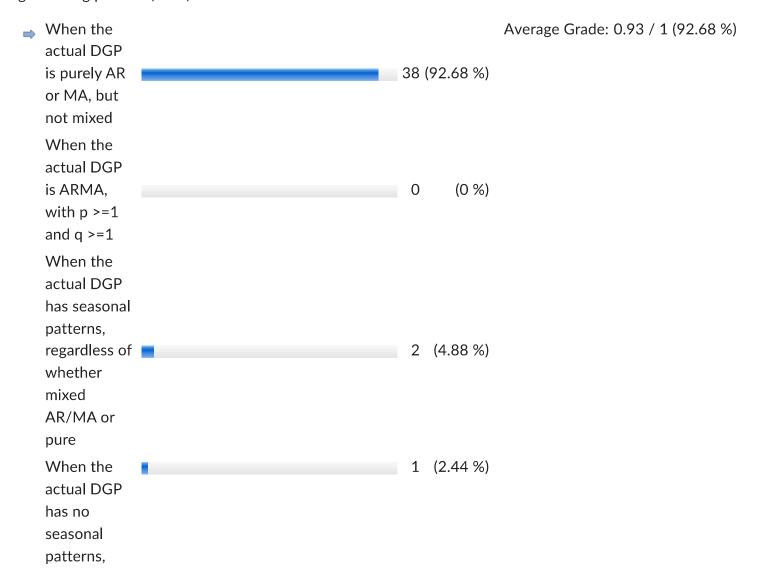
Which of the following is **not** guaranteed by the output of auto.arima() in R?





Question 7 Difficulty: 1

In which situation will a pure inspection of ACF and PACF likely yield the clearest hypothesis on data generating process (DGP)?



regardless of whether mixed AR/MA or pure

Question 8 Difficulty: 1

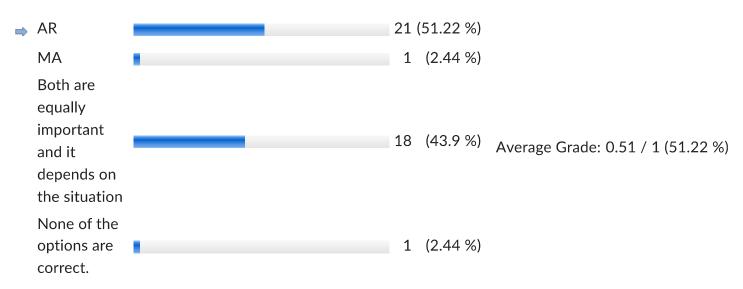
For manual determination of the structure of an ARIMA model (not using auto.arima()), which of the following is the most appropriate?



unambiguous clear possibilities

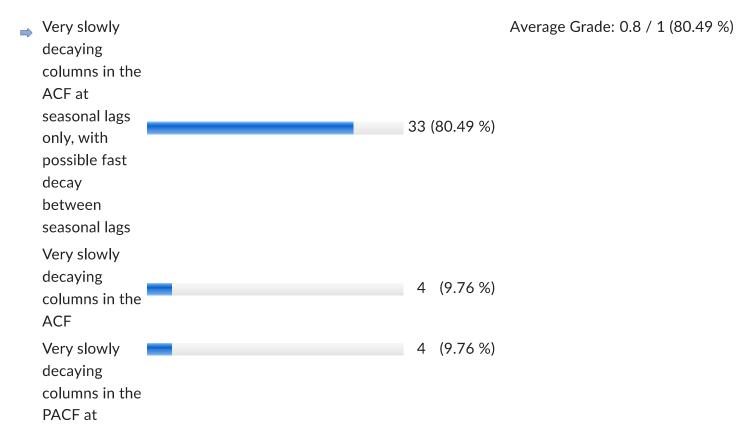
Question 9 Difficulty: 1

For an ARMA model, which of the components are more important in determining large scale forecast accuracy?



Question 10 Difficulty: 1

For processes that are non-stationary but which require a seasonal difference to be stationary, which of the following are most likely to be visible?



PACF