HS-302 End-Semester Quiz

Roll : 1801CS 37

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1) False

the sign of adjustment factor is -ve'. This is because past error deviation in equilibrium are inversely related.

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2) False

Two stationary variables when performed linear combination can result in stationary outcome : 2 stationary / 2 non-stationary are possible

3) True

If the series has a stable long run trend and tonds to revert to the trend line following a disturbance, it may be prossible to stationarize it by de trending

4) True

RMSF, R² determines the accurracy of the model. But R²>1

while RP In RMSE Ises R2 Tses (R2 FSS R55)

Hence inversely related

RMSE = E TY- V

5) False

Unconditional variance: 52

Conditional Variance 202

Uncondition Variance > (onditional Variance)

as a, \$0 (For Time series analysis

- 6) Non-Linear Trend, Cycle
- 7) Partial Auto Correlation Function
- 8) The dependency of Time Series variables with the lagger lags of errors volatilities
- 9) Tendericy for volatitily to decrease with increase

(As PACF_1, ACF_1 of AR(1) Process are equal)