



Mid-year Examinations 2016

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Prescription Assignment Projecto Exam Help

Paper Title Email: tutores & To3.com

QQ: 749389476

Number of Pattsps://tutorcs.com

Instructions for candidate:

- This is a restricted examination
- Only stickered calculators permitted
- Remember to write your name and student number on all answer booklets/pages
- Start each question on a new page
- All questions are equally worth
- Show all working

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QUESTIONS START ON PAGE 3

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QUESTION 1

What are the inverse in the inverse in the inverse in the inverse inve

Explain the reasons and the importance for such conditions.

QUESTION 2

Given the movid

$$x_t = z_t - 0.7 z_{t-1}$$

Find the values



elation function for k=1,2,3.

QUESTION 3

Identify the order of the flowing a stuft of hears and determine whether they are causal and/or invertible:

a)
$$x_t = 0.8x_{t-1} - 0.15x_{t-2} + z_t - 0.3z_{t-1};$$

b)
$$x_t = 0.8x_{t-1} - 0.15x_{t-2} + z_t - 0.3z_{t-1}$$
, b) $x_t = x_{t-1}$ **Assignment Project Exam Help** where $z_t \sim N(0, \sigma^2)$. Please show all your workings.

Email: tutorcs@163.com **QUESTION** 4

Illustrate the major steps of the classical decomposition of a time series.

QUESTION 5

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Explain why differencing a time series you remove a deterministic trend and why you should not diffe arttps: the two res.com

QUESTION 6

Show that an invertible MA(k) model for any integer value of k is equivalent to an AR of infinite order and that a causal AR(k) model for any integer value of k is equivalent to a MA of infinite order.