MATH1307 Forecasting

Mid-Semester Test

Information and Instructions

1. General Information

The following table summarises the general information about the mid-semester test.

Weighting	25%
Date and Time	06:30 pm - 08:30 pm, 28.08.2019
Coverage	Modules 1 – 5
Related CLOs	CLO1, CLO2, CLO3 and CLO4
Location	80.10.17 – usual classroom - capacity: 120 - power outlets are available on desks
	70.03.04 – usual classroom - capacity: 45 - power outlets are available on the walls
	13.03.005 – capacity: 45 - power outlets are available near all desks
Time Limit	2 hours maximum
Student ID	You must bring your student ID to class.
Other	You must bring along a laptop and its charger.

The mid-semester test will measure your achievement in

- Analyse past patterns in time series data and develop appropriate models for forecasting (CLO1).

- Estimate forecasting models using R software (CLO2).

- Apply methods of forecasting to practical problems including assessing forecast accuracy and criticising the results to enhance forecasting performance (CLO3).

- Demonstrate practical experience by having been exposed to problems based on real data (CLO4).

The test is composed of practical questions. Therefore, you'll prepare R scripts that answer the questions, interpret the results and copy and paste those R scripts and your comments as answers.

You will work individually on each question!

There is no particular time limit for any of the questions! You will have 2 hours in total to submit your answers.

2. Test Information

● Mid-semester test will be a supervised, computer-based test.

● You will prepare the R scripts that answer the questions to analyse the given dataset.

● You will put your comments/inferences from the outputs on the R scripts after a "#" and submit your R script as the answer.

● You will see all questions at once. Starting from the first question is recommended.

● The test will be open–source (so you can use books, your notes, and the Internet).

● Students will use their laptops.

● Students are responsible for ensuring their laptops can access to the Internet and the Blackboard as well; and their R / RStudio installation is capable of running the analyses covered in the Modules 1 to 5.

● Your laptops should be fully charged and also you should bring your power adaptor. It is your responsibility to have your technology in order.

● The test will be presented and administered online using Canvas.

● The password, you will need to access the test, will be provided by the instructor at the beginning of the test.

● The test will be marked and feedback and review will be available as soon as possible. So, you will not be able to see correct answers just after submitting the test.

3. Test Rules

● **You must bring your student ID or some other form of identification to the test** as your attendance will be confirmed over the enrolled student list.

● Collaboration with or copying from other students is **NOT** allowed!

● Communication of any form to other students or to people outside the

classroom is **NOT** allowed!

- If you have a question, please raise your hand and the instructor will assist!

- Once you have finished the test, please leave the classroom quietly!

4. Deferred Test

There will be different questions with different weights in the deferred test if it takes place! Please see the [Extensions of time for submission of assessable work](#) website for further information. If you require a deferred test for recognised reasons, please start the formal procedures as soon as possible within the formal time limits.