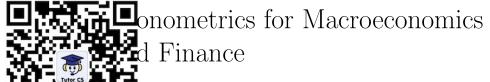
# 程序代写代做 CS编程辅导

ECON7350:



**L**arch Report 2

Due date: 5 June 2023, 3:59pm

## WeChat: cstutorcs

#### Instruction

The project consists of two research questions. Please use multiple equations models (MEMs) to answer both questions is least that the project least the project consists of two research questions. This report will constitute 35% of your overall grade in this course.

We suggest that you use Refer all implicativesk profess Rowever you should be able to use another statistical software (e.g. Eviews, Stata, Python, etc.) without a problem. If you do choose to work with an alternative software, please note that support for software-specific issues from the course coordinator and butters may be very limited.

Please upload your report via the Markith" submission link (in the "Assessment / Research Report 2" folder). Please note that hard copies will not be accepted. At the moment, the due date is 3:59 PM on 5 June 2023, but please check BlackBoard regularly for announcements regarding my charge of this conjugate should be a write-up of your answers (in PDF format, single-spaced, and in 12 font size).

You are allowed to work on this assignment with others, i.e., you can discuss how to answer the questions with your classmate(s). However, this is not a group assignment, which means that the report must be written individually: you must answer all the questions in your own words and submit your report separately. The marking system will check for similarities, and UQ's student integrity and misconduct policies on plagiarism *strictly apply*.

### Questions

The dataset for this project is contained in report2.csv, which is an extension of the dataset used in Research Report 1. Recall that in the Research Report 1 dataset, the variables are quarterly time-series of macroeconomic indicators in Australia for the period 1990Q3—2021Q4. In particular, the dataset contains the following variables:

<sup>&</sup>lt;sup>1</sup>Please do not include or attach any software specific material such as R source code and output. In particular, you should summarise the output in the report, but please do not copy-paste the "dump" produced by the software.

- real-gdp: natural garfihm of seasonally adjusted gassachie in the chain volume millions of dollars;
- unemployment. adjusted unemployment rate for all persons at the end of each quarter with the end of
- cpi\_inflation: the light specified grow the corresponding quarter of the previous year of all grow the light specified grow the light specified
- cash\_rate: the \_\_\_\_\_\_\_te at the end of each quarter.

The dataset for Research Report 2 is nearly identical to that of Research Report 1—the only difference is that the data is extended to cover the period 1990Q3—2022Q4. (specifically, it is extended to the extended to cover the period 2021Q4).

#### Please answer the following two questions using an MEM approach.

1. Use the data provided or the subsample period of the sample for 2022 and 2023 (two years or equivalently eight quarters past the end of the sample). In other words, repeat the exercise from Research Report 1, Question 1, but this time using MEMs. Peak 12 dribe alludtents success of in cartant on a conceptual level, and to the extent possible, quantitatively as well.

Use the observed *cpi\_inflation* data for 2022 to qualitatively evaluate and compare forecasts generated by the MIN to the property you generated in Research Report 1. Next, compare the forecasts for 2023 generated by MEMs to the same period forecasts generated in Research Report 1.

Finally, use the filt postable supple (1998QF QQ2QQ4) to forecast *cpi\_inflation* for 2023 using MEMs. How do these forecasts change relative to those produced for the same period (2023) but only using data up to 2021Q4?

The break down of marks for this question is as follows (total 50 marks):

- forecast model identification (10 marks);
- forecasts computation (10 marks);
- forecast evaluation and comparison (10 marks);
- interpretation and inference (10 marks);
- writing and organisation (10 marks).
- 2. Use the data provided to obtain inference on the possible effects of monetary policy on the economy using MEMs. In particular, consider a one-time structural shock to the cash\_rate and analyse the dynamic effects of such a shock on cpi\_inflation and unemployment\_rate. You should consider the possible effects that may result in the

short-run, the metun fundand 后 long run in Cose编 程 镇默, please consider implications for policy, and in doing so, describe the various sources of uncertainty that may affect vour

nference regarding dynamic effects on cpi\_inflation In addition, p. inference obtained in Research Report 1, Question obtained from 2. Please consider pare across different classes of models using the same also consider how results compare when obtained sample (1990Q from the full s 22Q4) relative to those obtained from the shorter sample (1990Q)

The break down of marks for this question is as follows (total 50 marks):

- model identification (10 marks): Stutores estimation and testing (10 marks);
- assumptions and identifying restrictions (10 marks);
- interpretate Assiignmentar Project Exam Help
- writing and organisation (10 marks).

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