

Assignment Project Exam Help

ECON3350/7350
Univariate Time Series - II

<https://powcoder.com>

Eric Eisenstat

The University of Queensland

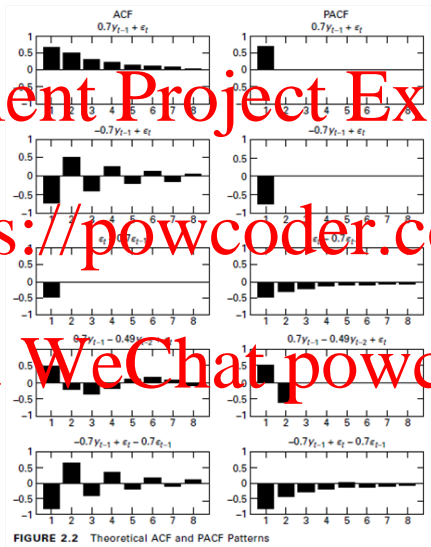
Add WeChat powcoder

Tutorial 3

Assignment Project Exam Help

<https://powcoder.com>

Add WeChat powcoder



Strategy to Fitting $ARMA(p, q)$

① Identification

- ① Plot the data and decide an appropriate process to begin with (is there a trend?).
- ② Use the SACF and SPACF to suggest whether AR or MA terms are needed.

② Estimation and Diagnostics

- ① Estimate a model you think will be (more than) adequate.
- ② Look at the SACF and SPACF for the residuals to suggest whether more or fewer AR or MA terms are needed.
- ③ Repeat steps 1 and 2 to find the set of models that have no autocorrelation in the residuals.
- ④ Reduce this set by choosing models with “low” IC metrics (AIC, BIC).

③ Inference

- ① Compare results across this set of models; interpret accordingly.