



The relationship between car sales and economy

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Outline

- Motivations
- Data
- The Proposed Model
- References

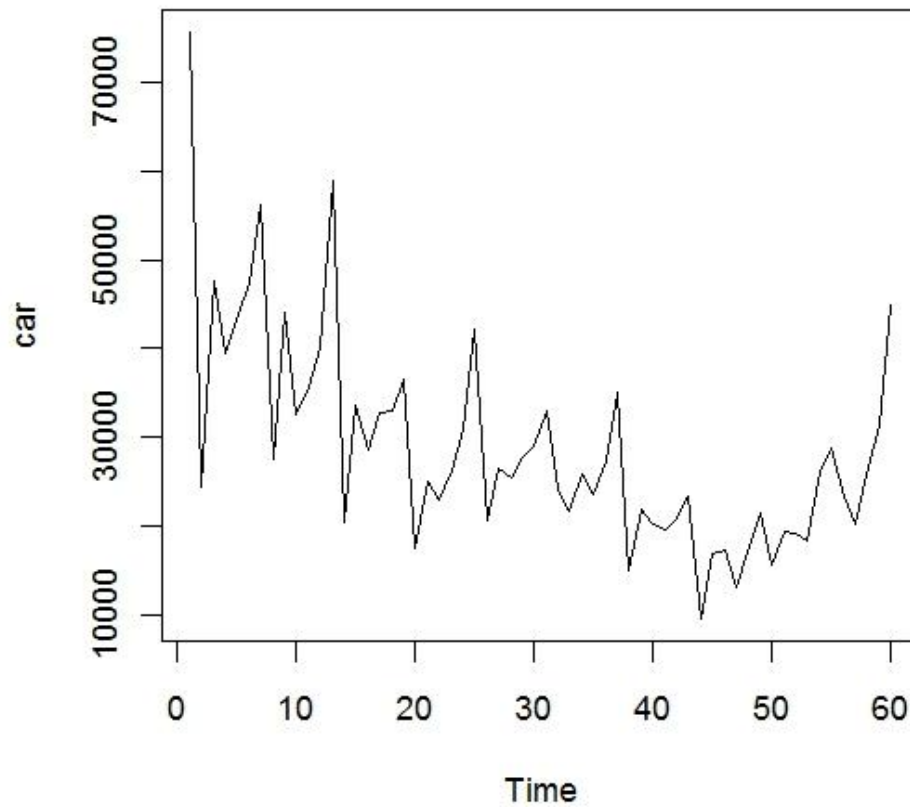
Motivations

- Car is a convenient transport and most people would like to have a car
- The relationship between car sales and economy

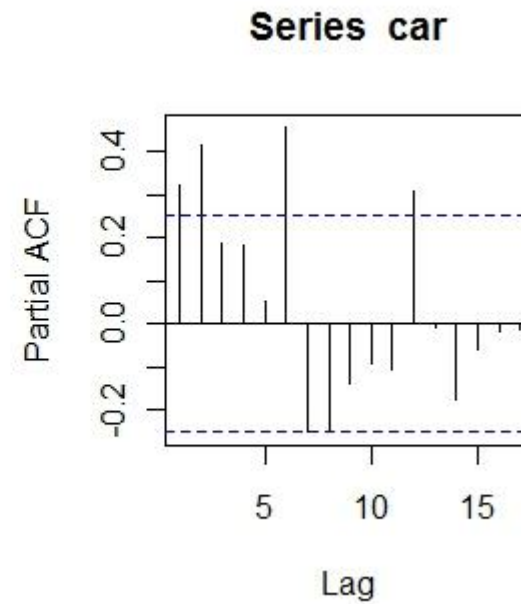
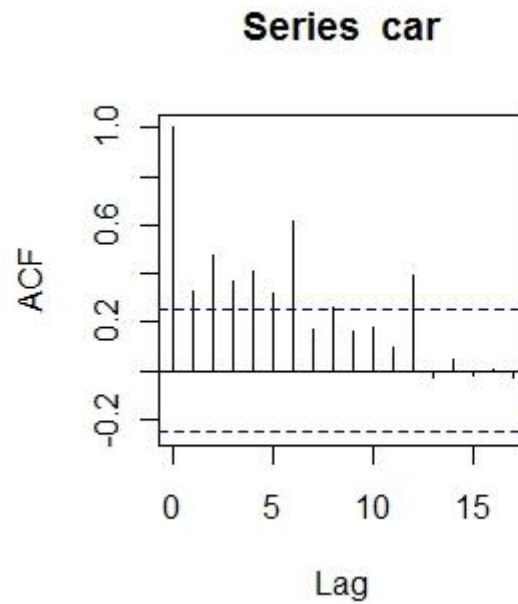
Data

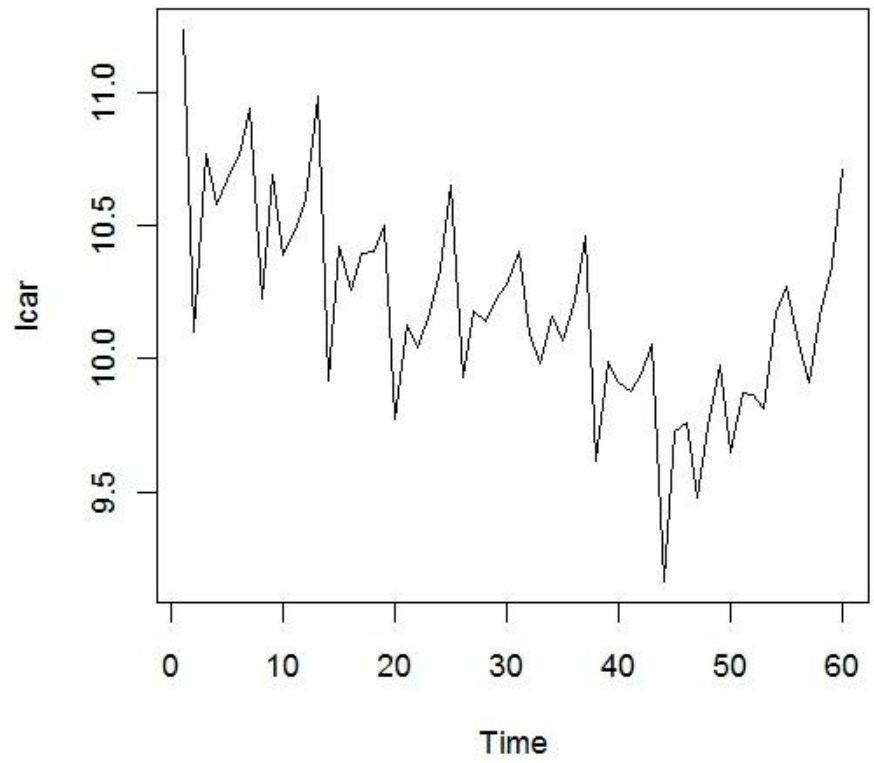
- An annual record of car sales by month in Taiwan from 2005 to 2009

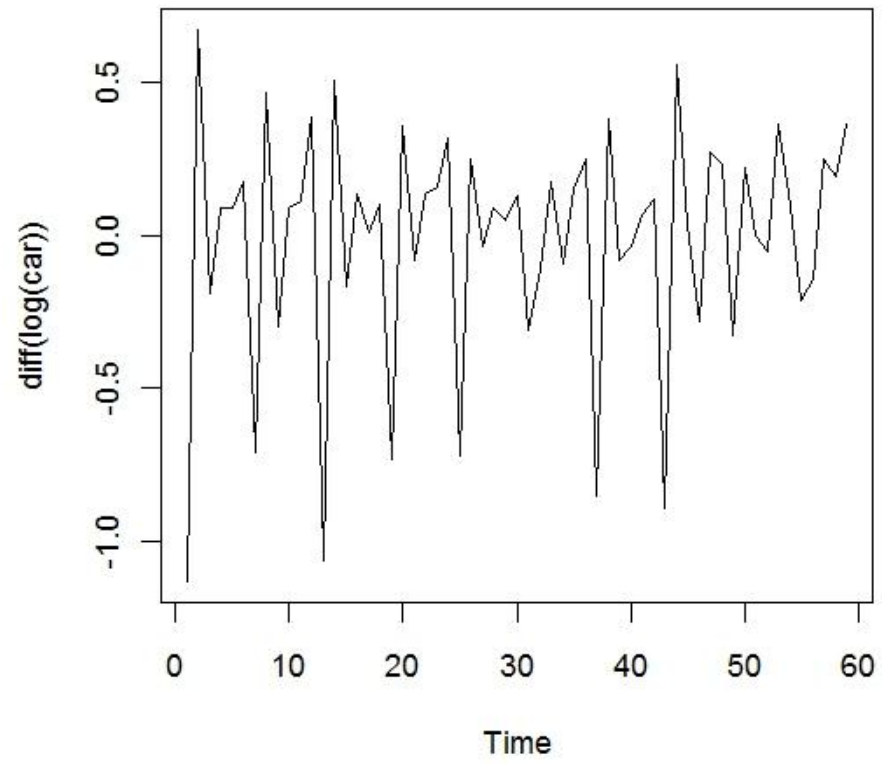
Time series plot



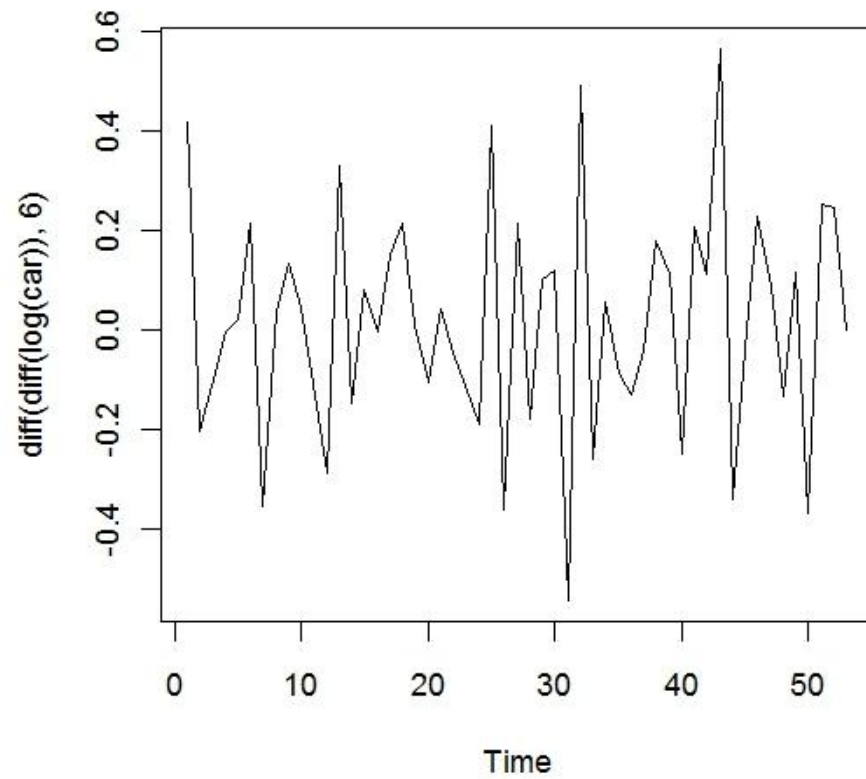
ACF&PACF of original data







Stationary



The Proposed Model

- Sarima model

Analysis

- Spectral analysis

References

- [Http://www.wretch.cc/blog/tivo168/21221110](http://www.wretch.cc/blog/tivo168/21221110)
- <http://porsche0806.pixnet.net/blog/post/22282725>
- <http://news.u-car.com.tw/news-detail.asp?nid=11601>



END