

COMPUTATIONAL STATISTICS: TIME SERIES AND DATA MINING
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by

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Masters of Science

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Computational Statistics: Time Series and Data Mining

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Abstract

This is a really silly abstract.

Keywords: Time series analysis, data mining

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Chapter 1

Time series: Long memory

Here is a picture of a long memory time series.



Figure 1.1: A long memory time series

Here's a table.

| n | α | $n\alpha$ | β |
|-----|----------|-----------|---------|
| 1 | 0.2 | 0.2 | 5 |
| 2 | 0.3 | 0.6 | 4 |
| 3 | 0.7 | 2.1 | 3 |

Table 1.1: A random table

$$y = mx + b \quad (1.1)$$

$$= ax + c \quad (1.2)$$

This is an un-numbered equation, along with a numbered one.

$$u = px$$

$$p = P(X = x) \quad (1.3)$$

Look at Table 1.1 and Figure 1.1 and equations 1.1, 1.2, and 1.3.

Let's do some matrix algebra now.

$$\det \left(\begin{pmatrix} 2 & 3 & 5 \\ 4 & 4 & 6 \\ 9 & 8 & 1 \end{pmatrix} \right) = 42 \quad (1.4)$$

In the equation and eqnarray environments, you don't need to have the dollar sign to enter math mode.

$$\alpha = \beta_1 \Gamma^{-1} \quad (1.5)$$

This is citing a reference [2]. This is citing another [3]. Nobody said something [1].

Chapter 2

Theorems

2.1 Basic Theorems

Theorem 2.1.1 $e^{i\pi} = -1$

Bibliography

[1] Nobody Jr. My article, 2006.

[2] ME. Oh, my! 1990.

[3] Mr. X. *Mr. X Knows BibTeX*. AWOL, 2005.

Appendix A

Proofs of Theorems

Proof of Theorem 2.1.1

$$e^{i\pi} = \cos(\pi) + i \sin(\pi) \tag{A.1}$$

$$= -1 \tag{A.2}$$

■

Curriculum Vitae

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