COMPUTATIONAL STATISTICS: TIME SERIES AND DATA MINING

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by

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Abstract

This is a really silly abstract.

Keywords: Time series analysis, data mining

Contents

List of Figures

List of Tables

List of Appendices

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

$$y = mx + b \tag{1.1}$$
$$= ax + c \tag{1.2}$$

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

$$u = px$$
$$p = P(X = x) \tag{1.3}$$

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.

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

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

$$\alpha = \beta_1 \Gamma^{-1} \tag{1.5}$$

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

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

$$= -1 \quad \text{(A.2)}$$

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Curriculum Vitae

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