

# Forecasting Models

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## 1 Introduction

This is a test to see what happens when I write something.

### 1.1 This is a subheading

Here is some more text [2].

## 2 Box-Jenkins

This method is named after the statisticians George Box and Gwilym Jenkins and published in their book, Time series analysis: forecasting and control [1].

## 3 Some method

This is another forecasting method.

## 4 Demo for LaTeX

This is a demo.

### 4.1 Math mode

This is a paragraph that includes the math formula  $x^2 = \pi$ . Another way to write math is to use it separate as

$$x_1^{2+a} + \frac{x^2 + 1}{5} \geq 42$$

and then we have more text.

### 4.2 Multiple lines of equations

This is another example.

$$\begin{array}{ll}\min & x + y \\ \text{s.t.} & y \leq 20 \\ & 4x + 2y \leq 15 \\ & x, y \geq 0\end{array}$$

Table 1: Here is some caption

1	2	3	4	5
2	3	4	5	6
3	4	5	6	7
4	5	6	7	8

### 4.3 Figures

This is how we insert figures. Figure 1 is an example.

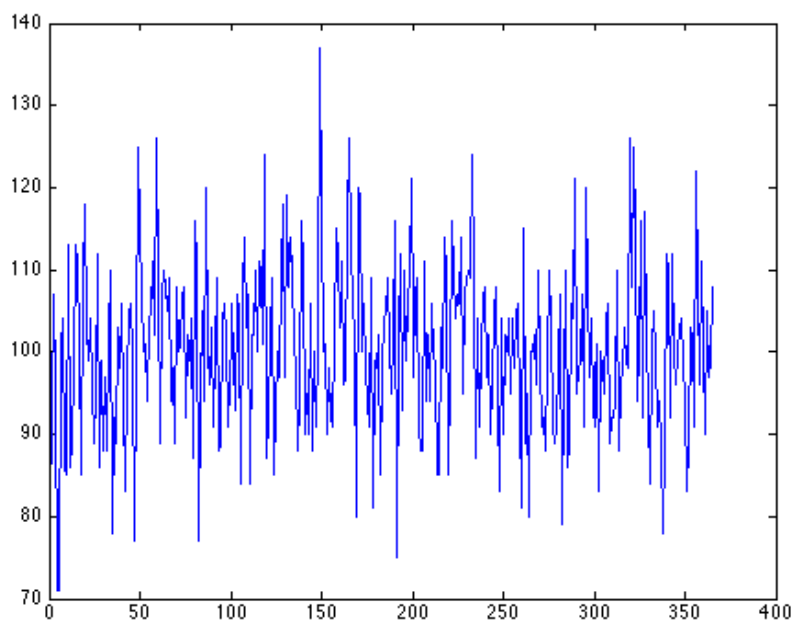


Figure 1: This is a figure with a caption, here's some math:  $x^2$

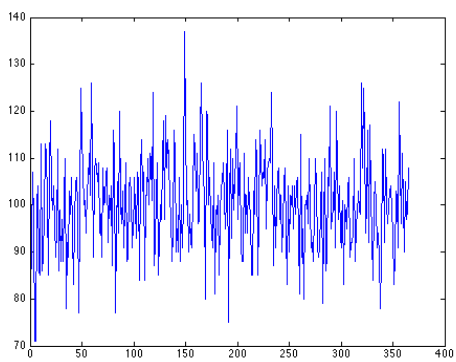
And here we have Figure 2.

### 4.4 Tables

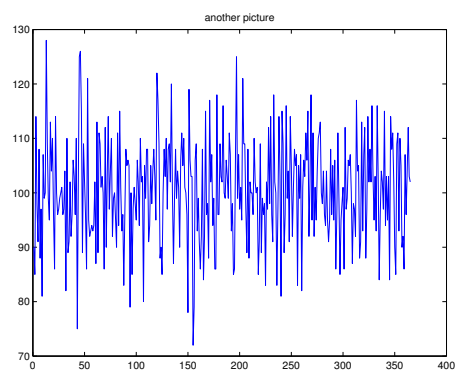
Tables in LaTeX can be a bit tricky. Table 1 shows one example.

## References

- [1] George EP Box, Gwilym M Jenkins, Gregory C Reinsel, and Greta M Ljung. *Time series analysis: forecasting and control*. John Wiley & Sons, 2015.
- [2] Jeffrey McConnell. *Analysis of algorithms*. Jones & Bartlett Publishers, 2009.



(a) A subfigure



(b) Another subfigure

Figure 2: The whole thing...