My Model Document

My Name

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1 Introduction

Contents of the first section. I am changing the contents of the first section.

2 Black Scholes Model Summary

The Black-Scholes formula for pricing a European call option is given by:

$$C = S_0 \Phi(d_1) - K e^{-rT} \Phi(d_2) \tag{1}$$

where

$$d_1 = \frac{\ln(S_0/K) + (r + \sigma^2/2)T}{\sigma\sqrt{T}} \tag{2}$$

$$d_2 = d_1 - \sigma \sqrt{T} \tag{3}$$

Here, C is the call option price, S_0 is the current stock price, K is the strike price, T is the risk-free interest rate, σ is the volatility of the stock, T is the time to maturity, and Φ is the cumulative distribution function of the standard normal distribution.

Hello World! Today I am learning IATEX. IATEX is a great program for writing math. I can write in line math such as $a^2+b^2=c^2$. I can also give equations their own space:

$$\gamma^2 + \theta^2 = \omega^2 \tag{4}$$

If I do not leave any blank lines \LaTeX will continue this text without making it into a new paragraph. Notice how there was no indentation in the text after equation (1). Also notice how even though I hit enter after that sentence and here $\downarrow \LaTeX$ formats the sentence without any break. Also look how it doesn't matter how many spaces I put between my words.

For a new essay I can leave a blank space in my code.

2.1 Quadratic Equations

The general form of a quadratic equation is:

$$ax^2 + bx + c = 0 (5)$$

ColumnA	ColumnB	ColumnC
1	2	3
4	5	6

Table 1: Sample Table