

# L<sup>A</sup>T<sub>E</sub>X Template

Lukas Maximilian Kapferer

`lukas@kapferer.or.at`  
`linkedin.com/in/lukas-kapferer`  
+43 677 61 44 27 44  
A-6020 Innsbruck

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# Contents

<b>1</b>	<b>Tutorial</b>	<b>1</b>
1.1	L <sup>A</sup> T <sub>E</sub> X Set-Up . . . . .	1
1.2	Commands . . . . .	1
<b>2</b>	<b>Features</b>	<b>2</b>
2.1	Tables . . . . .	2
2.2	Shortcuts . . . . .	2
2.3	Snippets . . . . .	2
<b>3</b>	<b>Code IDE</b>	<b>3</b>
3.1	Java . . . . .	3
3.2	Python . . . . .	3
3.3	Servus "Obst" . . . . .	3
3.3.1	Griasdi . . . . .	3
3.3.1.1	Test . . . . .	3
<b>4</b>	<b>Test</b>	<b>4</b>

## List of Figures

## List of Tables

1	. . . . .	2
---	-----------	---

# 1 Tutorial

## 1.1 L<sup>A</sup>T<sub>E</sub>X Set-Up

## 1.2 Commands

```
\section{}  
\subsection{}  
\subsubsection{}
```

```
\section*{}  
\subsection*{}  
\subsubsection*{}  
\subsubsubsection{}
```

```
\paragraph{}  
\subparagraph{}
```

2
Features

2.1
Tables

Header 1	Header 2	Header 3
Row 1 Col 1	Row 1 Col 2	Row 1 Col 3

Table 1:

2.2
Shortcuts

2.3
Snippets

## 3 Code IDE

### 3.1 Java

Dies ist ein `Java` code.

```

1 public class Stock {
2     private String symbol;
3     private double sharePrice;
4
5     public Stock(String sym, double price) {
6         this.symbol = sym;
7         this.sharePrice = price;
8     }
9
10    public Stock(String sym) {
11        this(sym, 0.0); // constructor chaining
12    }
13 }
```

### 3.2 Python

```

1 class DataAnalyzer:
2     def __init__(self, data_points):
3         self.data_points = data_points
4
5     def calculate_average(self):
6         """Calculates the average of the data points."""
7         if not self.data_points:
8             return 0
9         return sum(self.data_points) / len(self.data_points)
10
11 # Example usage
12 analyzer = DataAnalyzer([10, 20, 30, 40, 50])
13 avg = analyzer.calculate_average()
14 print(f"The average is: {avg}")
```

öajsd följäsöl **Example:**

- TEstjölaskdfjalsjfasöld
- öasldkfjölaskdjföalkdsjföadlskfj
- asödfkjaölsdf

ölaksdjfölkölas

öajsd följäsöl **Example:**

1. TEstjölaskdfjalsjfasöld
2. öasldkfjölaskdjföalkdsjföadlskfj
3. asödfkjaölsdf

ölaksdjfölkölas

### 3.3 Servus "Obst"

#### 3.3.1 Griasdi

##### 3.3.1.1 Test

4Test

Header1	Header2	Header3
Row1 Col1	Row1 Col2	Row1 Col3

Header1	Header2	Header3
Row1 Col1	Row1 Col2	Row1 Col3

Theorem 1

Lorem ipsum, ich dreh den Sack um.

Title

Lorem ipsum, ich dreh den Sack um.

Title

asldkjfaölskdjfoäjdk

Title

xcvbnm,sdajfkasdf

Title

asjfölkjasdlf

```
import numpy as np
from scipy.stats import norm

def bs_call(S0, K, r, sigma, T):
    d1 = (np.log(S0/K) + (r + 0.5*sigma**2)*T)/(sigma*np.sqrt(T))
    d2 = d1 - sigma*np.sqrt(T)
    return S0*norm.cdf(d1) - K*np.exp(-r*T)*norm.cdf(d2)
```

Title