Paper Final Assignment DTFF

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[1]another thank you note
[2]this person also says thanks
[3]This is a thanks to someone who helped
[4]a final thank you

Abstract

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1 Introduction

1.1 What is this paper about?

We have a large variety of things to show, including blindtext and nice visuals such as tables and graphs.

1.2 Approximately 1 page of Blindtext

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2 Materials and Methods

In this section we would hypothetically introduce the materials and the methods that we used to conduct our hypothetical research

2.1 Some more blindtext

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[1]Here a footnote, also a possibility with LaTeX

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2.2   Some additional talk of methods

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3   Results

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3.1   Simple table

Here we introduce a simpler table, where we don't use the dcolumn package. So this table is what a standard LaTeX table could look like.

4 joined cells			
α	1	2	3
β	4	5	6
γ	7	8	9
δ	0	$+$	$-$

Table 1: A simple table with some numbers, some greek letters and some signs

3.2 Cool table with dcolumn

What follows is a table with all decimals vertically aligned. This is achieved using the dcolumn package.[1]

This table was created with *dcolumn*		
-111.00	55.40	6.50
5555.10	-0.00001	0.011
1.73	8.88	4.20
-1.50	-666.00	-0.0005

Table 2: This meaningless table has all decimal points nicely aligned.

3.3 A colour-blind-friendly heatmap

The net profits of the 5 biggest publicly traded companies in the United States. This visualization quickly makes very clear that Tesla has not been nearly as profitable as other, similarly big companies.

	AAPL	AMZN	MSFT	GOOG	TSLA
2020	$ 57,411 M	$ 21,331 M	$ 44,281 M	$ 40,269 M	$ 721 M
2019	$ 55,256 M	$ 11,588 M	$ 39,240 M	$ 34,343 M	-$ 862 M
2018	$ 59,531 M	$ 10,073 M	$ 16,571 M	$ 30,736 M	-$ 976 M

Table 3: Net Profits for Apple, Amazon, Microsoft, Alphabet and Tesla

3.4 Interesting graph

The following graph uses 5 colours that are generally easy to distinguish for colour-blind people. It shows cumulative returns over the 1-year period from November 23rd 2020 to November 22nd 2021 of the 5 biggest US companies by market capitalization.
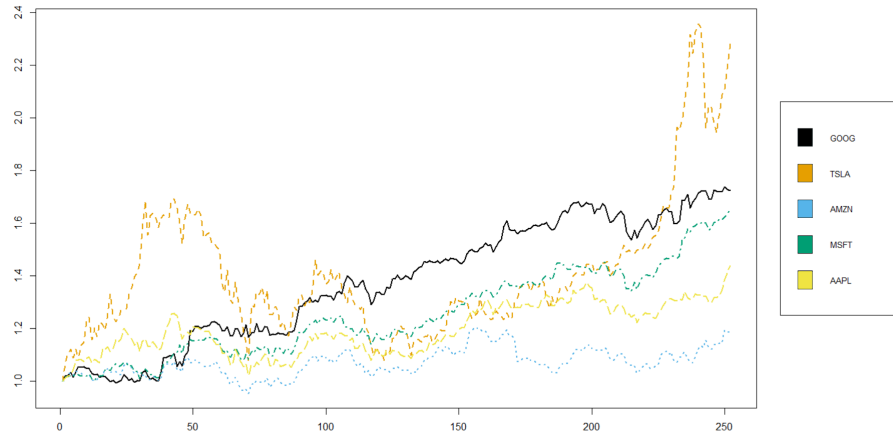
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[1] https://ctan.org/pkg/dcolumn

Figure 1: Cumulative stock returns of the 5 biggest US companies, since Nov 23$^{\mathrm{rd}}$ 2020

4   Conclusion

Here we cite some more papers to show that we can comfortably work with .bib files. One example is Black and Scholes (1973). Other possibly interesting readings are Pursiainen (2020) and Barras, Gagliardini, and Scaillet (2020), which were both recently published in the *Journal of Finance*.

References

Barras, Laurent, Patrick Gagliardini, and Olivier Scaillet (2020). "Skill, scale, and value creation in the mutual fund industry". In: *Swiss Finance Institute Research Paper*(18-66).

Black, Fischer and Myron Scholes (May 1973). "The Pricing of Options and Corporate Liabilities". In: *Journal of Political Economy* 81(3), pp. 637–654.

Pursiainen, Vesa (2020). "Cultural biases in equity analysis". In: *Journal of Finance, Forthcoming*.