Report Title

Project Name

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Abstract Lorem ipsum dolor sit amet, consectetur adipiscing elit. Duis sagittis posuere ligula sit ametlacinia. Duis dignissim pellentesque magna, rhoncus congue sapien finibus mollis. Ut eu semlaoreet, vehicula ipsum in, convallis erat. Vestibulum magna sem, blandit pulvinar augue sit amet,auctor malesuada sapien. Nullam faucibus leo eget eros hendrerit, non laoreet ipsum lacinia.Curabitur cursus diam elit, non tempus ante volutpat a. Quisque hendrerit blandit purus nonfringilla. Integer sit amet elit viverra ante dapibus semper. Vestibulum viverra rutrum enim, atluctus enim posuere eu. Orci varius natoque penatibus et magnis dis parturient montes, nasceturridiculus mus.

1 Introduction

This is my quarto / typst for academic reports. It is only a slight modification from the default report template with some minor cosmetic tweaks. This report is orientated towards *scientific writing* in **applied mathematics**.

2 Features

2.1 Mathematics

This template makes use of the standard *LaTeX* support for writing both inline mathematics - e.g. $f(x) = \log(x)$ - as well as block mathematics,

$$\mathbb{E}X = \int_{\Omega} X d\mathbb{P}, \tag{1}$$

where we also highlight equation referencing by calling attention to Equation 1.

2.2 Code Blocks

This template also makes use of the standard support for various programming languages. Inline `code text` can be written easily. For code chunks we can write:

```
# Libraries
import matplotlib.pyplot as plt
import numpy as np
# Define vairables
a = np.linspace(0,100,1000)
b = 4*a-12
# Call output
print(b[589])
```

```
223.83583583583584
```

2.2.a Plotting

We can also produce plots:

```
# Produce a plot
plt.plot(a,b)
```

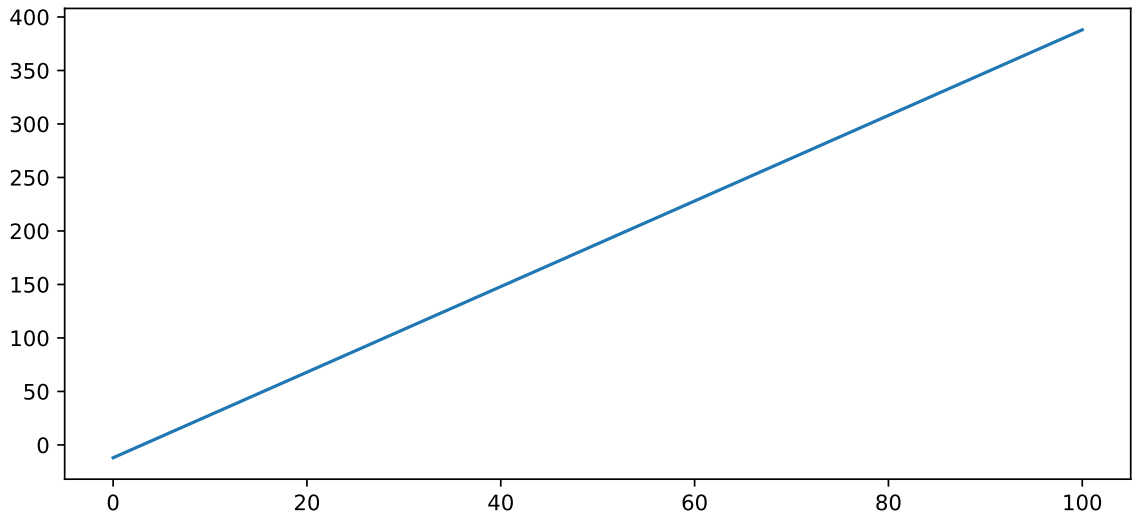

Figure 1: A simple line plot.

We can also reference these plots, for example see Figure 1.

3 Upcoming

I am in the process of adding the following:

1. Custom formatting tweaks including:
   1. Better figure spacing (80% page width, font matching body)
   2. Better whitespace
2. Definition, Theorem and Proof environments
3. Bibliography formatting.