

# My Report

Created with a Quarto Template

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# 1 Introduction

This Quarto template provides some default settings for a structured report. It is a proposed starting point with lots of room for customization.

## 2 Headings

You have different levels of headings. `# Heading` is the top-level, followed by `## Second Level` and `### Third Level` sections.

### 2.1 Sub-heading

This is a level 2 subsection

#### 2.1.1 Sub-sub-heading

And this is a level 3 subsubsection.

#### Sub-sub-heading without numbering

You can suppress numbering in section headings via `{.unnumbered}`.

## 3 Formatting

In a nutshell, you can use  $\text{\LaTeX}$  commands as well as standard **Markdown**. We refer to the Quarto and Markdown documentations for formatting details.

## 4 Figures

### 4.1 Including figures from files

You can reference figures by adding an identifier with the prefix `#fig-` to the figure, and then using the `@`-prefix in the text. Here's a reference to Figure [1](#).

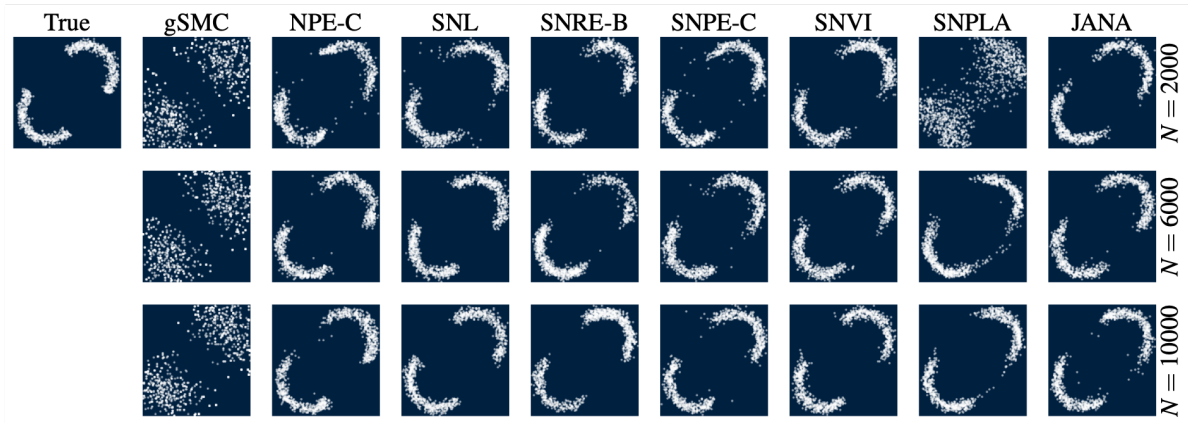


Figure 1: A very important plot that shows how different methods perform with increasing simulation budget  $N$ .

## 4.2 Generating figures directly from code

We can use code blocks (e.g., R or Python) to create figures and directly output them to the document. Use the code block options (#1) to fine-tune the format.

```
x = seq(-4, 8, length.out=100)
plot(x, x**3, type="l")
plot(x, sin(x), type="l")
```

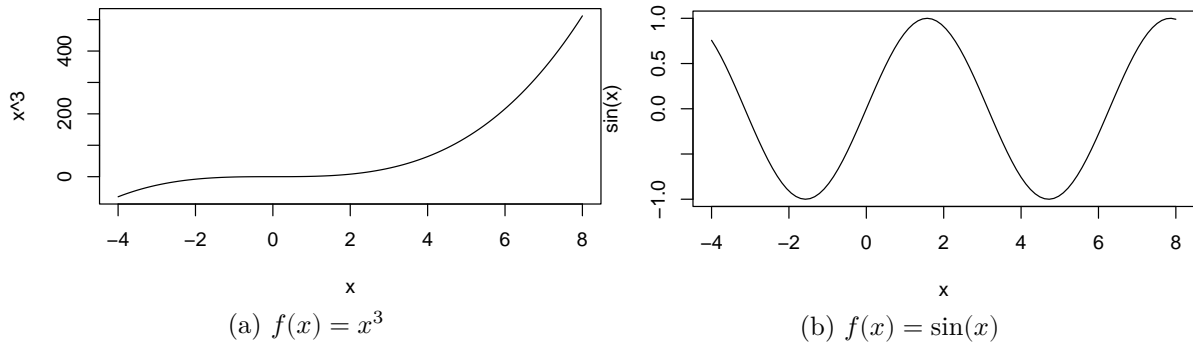


Figure 2: Charts

## 5 Enumerations and itemizations

Here's an *unnumbered list* with structured thoughts:

- with important aspects
- and more
  - and also a nested list
  - with another item
- and back to the first level

Enumerations adhere to Markdown standards, so

1. first argument
2. second thought
3. third remark

creates a numbered list.

## 6 Citations

There is rich history behind the Pythagoras' theorem (Saikia, 2013).

## 7 Equations

You can add  $\text{\LaTeX}$  equations with cross-reference labels,

$$a^2 + b^2 = c^2, \tag{1}$$

where  $a, b, c$  in Equation 1 are real-valued scalars and the label shall be prefixed with `{#eq-}`.

## 8 Rendering to report and presentation

You can use a single `.qmd` file to generate both your case study report *and* the presentation.

You can use conditional blocks to selectively make content visible in either the report or the presentation. You can find more information [on this Quarto website \(Link\)](#).

```
::: {.content-visible unless-format="revealjs"}
```

```
<content here.>
```

```
:::
```

This conditional block will not appear in your presentation, but it will show up in your report.

Similarly, you can include blocks **only** in a specified format:

```
::: {.content-visible when-format="revealjs"}
```

This will only appear in the presentation.

You can't see it in the rendered PDF.

This is just the printed source code for illustration.

```
:::
```

## References

Saikia, M. P. (2013). *The Pythagoras' theorem*.