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 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.

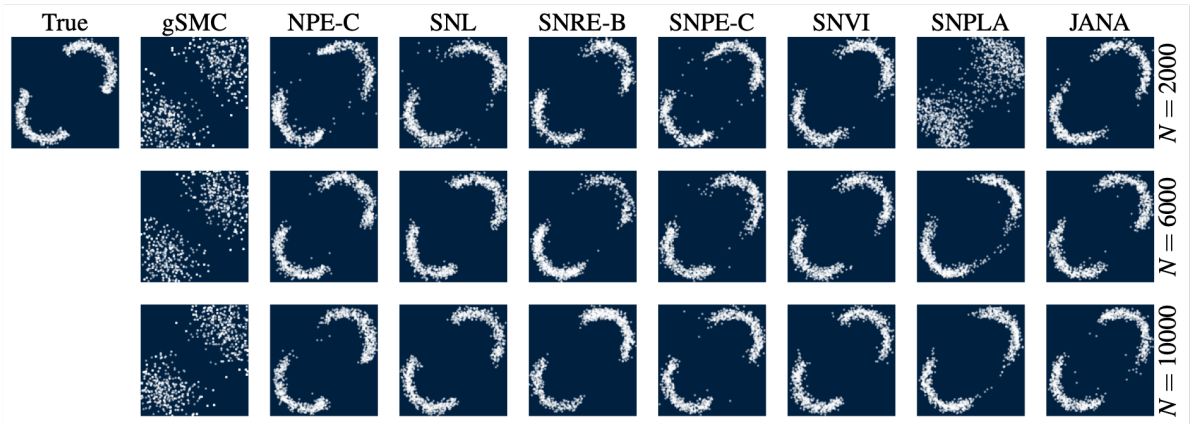


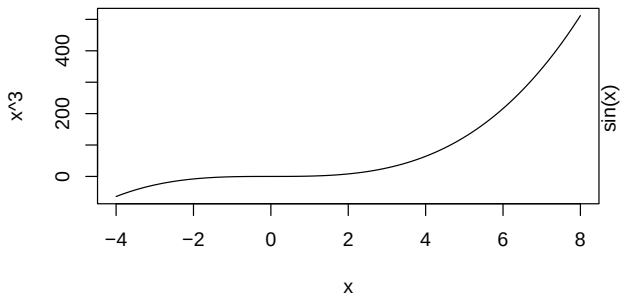
Figure 1: A very important plot that shows how different methods perform with increasing simulation budget N.

4.2 Generating figures directly from code

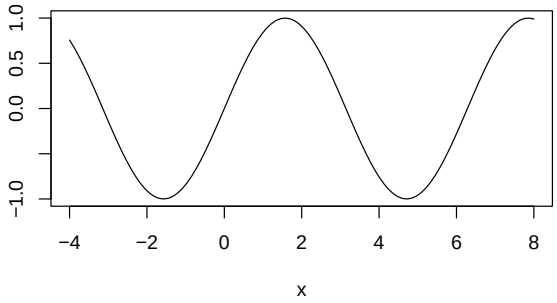
We can use code blocks (e.g., `R` or `Python`) to create figures and directly output them to the document. Use the code block options (`#|`) to fine-tune the format.

```
x = seq(-4, 8, length.out=100)

plot(x, x**3, type="l")
plot(x, sin(x), type="l")
```



(a) My first plot



(a) The second plot

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 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.*