

A Comprehensive Sample Report Demonstrating the Practical-Report Class

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1 Introduction

This sample document demonstrates all the unique features of the `practical-report` class. The class is designed for research reports and project documentation with careful attention to typography and readability.

This is a blind footnote (without a number) created using `\blfootnote`. Useful for acknowledgments or funding information.

1.1 Typography Features

The document uses **Equity A** as the main serif font with proportional lowercase numbers by default. When you need lining figures, use the `\liningfont` command: 1234567890. Notice how numbers in tables and equations automatically use uppercase monospaced numerals.

1.1.1 SMALL CAPS AND CAPITALIZED TEXT

This subsubsection heading uses small caps styling. You can also use `\rmsc` for **SMALL CAPS TEXT** and `\rmcs` for **ALL CAPS TEXT** with appropriate letter spacing.

Paragraph-level heading. This is a run-in paragraph heading that demonstrates the fourth level of sectioning available in this class.

1.2 Color and Highlighting

The class defines two custom colors:

- This text is highlighted in **MokaRed** using the `\alert` command
- This is a hyperlink in **SkyBlue**

2 Mathematical Content

Mathematical expressions use XCharter Math font. Here are some examples with automatically numbered equations:

$$(1) \quad \int_{-\infty}^{\infty} e^{-x^2} dx = \sqrt{\pi}$$

$$(2) \quad E = mc^2$$

Notice how equation numbers use monospaced lining figures: 2

3 Tables and Figures

3.1 Table Example

Tables automatically use monospaced uppercase numbers for better alignment. The class loads `booktabs` for professional-looking tables.

TABLE 1 Sample Data Table with Automatic Number Formatting

Category	Value 1	Value 2	Total
Alpha	123	456	579
Beta	789	234	1023
Gamma	345	678	1023

3.2 Figure Example

Figures use custom caption formatting with small caps labels:



FIGURE 1 A placeholder figure demonstrating caption formatting

4 List Formatting

The class provides custom list spacing using the `enumitem` package.

4.1 Enumerated Lists

1. First item with proper spacing
2. Second item with `itemsep=0.25\baselineskip`
3. Third item showing vertical rhythm

4.2 Description Lists

Bold term Description lists have bold labels aligned at the left margin

Another term The text is properly indented regardless of label width

Typography Careful attention to spacing and alignment throughout

5 Linguistic Examples

When the `linguex` option is enabled, you can create numbered linguistic examples:

- (1) This is a simple linguistic example.
- (2)
 - a. This is a subexample
 - b. With proper formatting

- c. And appropriate spacing

These can be labelled and referred to later, like (2c).

6 Advanced Features

6.1 Quotations

The class loads `csquotes` for proper quotation handling. Use `\enquote{}` for “quotations with proper nesting” that automatically adapt to the language settings.

6.2 Footnotes

Regular footnotes¹ work as expected, with custom formatting that aligns the text properly.

6.3 Microtype Enhancements

The document uses microtype with protrusion and expansion enabled, providing subtle improvements to text justification and margin alignment, particularly visible with punctuation marks.

6.4 Spacing Options

This document was compiled with the `1inch` option, which sets 1-inch margins on all sides and tighter section spacing. To see the default layout (2.7x alphabet width with more generous section spacing), remove the `1inch` option from the document class declaration.

7 Bibliography Support

When the `biblatex` option is enabled, you can use citations. Use `\cite`, `\textcite`, `\parencite`, etc. for citations.

Example citations: [1] and Müller [2].

The class configures `biblatex` with numeric style, maximum citation names set to 1, and urls/dois/eprints disabled for cleaner references.

8 Conclusion

This sample document demonstrates all the unique features of the `practical-report` class.

References

- [1] John Smith. “Article title”. In: *Journal title* 13 (2001), pp. 1–2.
- [2] Hans Müller. *Book title*. Address: Publisher, 2002.

¹ This is a regular footnote with superscript numbering.