An Example Test Document

Author A[1†], Author B[1†], Author C[1*], and Author D[1,2]

[1]School of Example Studies, Example University

[2]School of Advanced Example Studies, Example University

[*]Address correspondence to: example.email@university.edu

[†]These authors contributed equally to this work.

October 18, 2024

Abstract

This document provides a basic structure for an academic paper with test examples for tables, figures, formulas, and references. It includes examples of common LaTeX commands and document features.

1 Introduction

This document is a test example designed to help check various LaTeX formatting techniques, including tables, figures, and formulas. In the following sections, we will demonstrate these features.

2 Tables

There is a simple table in this section (Tab. 1).

Tab. 2 shows a more complex table.

Table 1: An example table with parameters.

Parameter	Symbol	Value
Example Parameter 1	P_1	100 W
Example Parameter 2	P_2	50 m
Example Parameter 3	P_3	0.1 s

Table 2: Example Global Economic Indicators

Region	Indicator	Value
Region A	Economic Growth	3.5%
		1.5 trillion
		4.8% Inflation
	Unemployment Rate	5.1%
		2.4% (Youth)
		4.7% (Women)
		3.2% (Men)
Region B	Economic Growth	2.1%
		0.9 trillion
		2.3% Inflation
	Unemployment Rate	6.7%
		3.8% (Youth)
		4.5% (Total)

3 Figures and their References

3.1 Example Figure

Below is an example figure (Fig. 1) showing a diagram that might represent a process or a conceptual flow.

3.2 Subfigures

Below is an example of subfigures (Fig. 2), which contains 4 subfigures (Fig. 2a, Fig. 2b, Fig. 2c, and Fig. 2d).
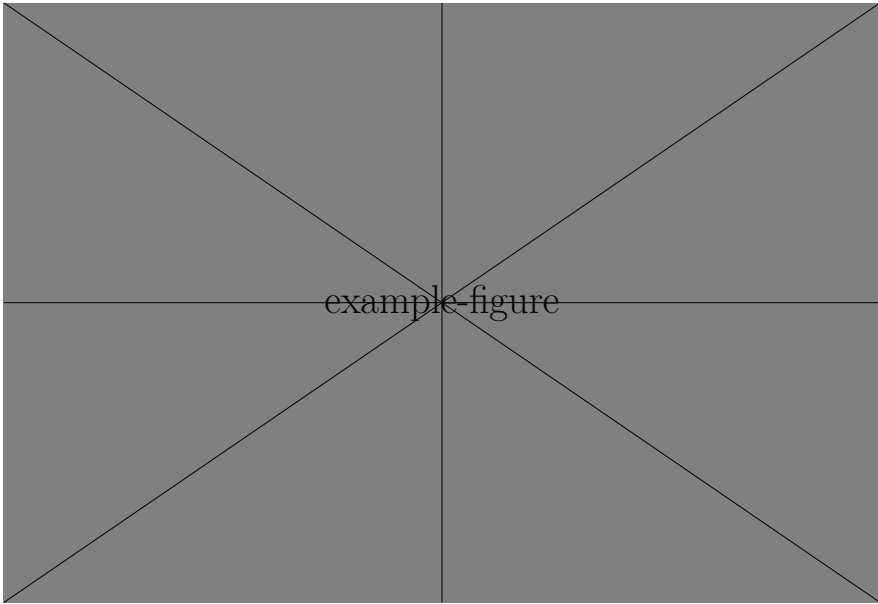
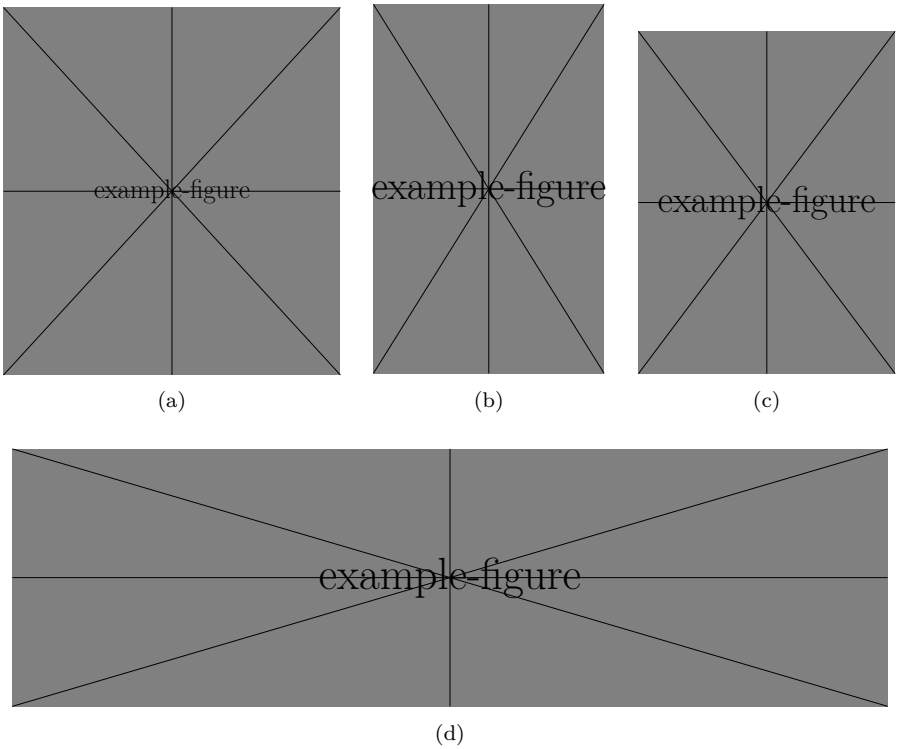Figure 1: An example figure showing a conceptual diagram.

(a)

(b)

(c)

(d)

Figure 2: Example subfigures (a) Subfigure 1, (b) Subfigure 2, (c) Subfigure 3, and (d) Subfigure 4.

4 Formulas and Equations

This section includes an example of how to format equations. The incidence matrix is given by Eq. 1:

$$a_{kl} = \begin{cases} 1, & \text{edge } l \text{ leaves node } k, \\ -1, & \text{edge } l \text{ enters node } k, \\ 0, & \text{otherwise,} \end{cases} \tag{1}$$

where a_{kl} is the element of the incidence matrix, k is the node index, and l is the edge index.

5 References

This section includes an example of how to cite references[1].

References

[1] p. personA, "Title of the article," *Journal of Journal*, vol. 91, pp. 109–125, Aug. 2018. 5