An Example Test Document

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Chapter 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.

Chapter 2

TFF

This is a chapter with some text. You can check the references number here, like Fig. 1.1 or Fig. 1.

2.1 Tables

There is a simple table in this section (Tab. 2.1).

Table 2.1: 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

Tab. 2.2 shows a more complex table.

2.2 Figures and their References

2.2.1 Example Figure

Below is an example figure (Fig. 2.1) showing a diagram that might represent a process or a conceptual flow.

Table 2.2: Example Global Economic Indicators

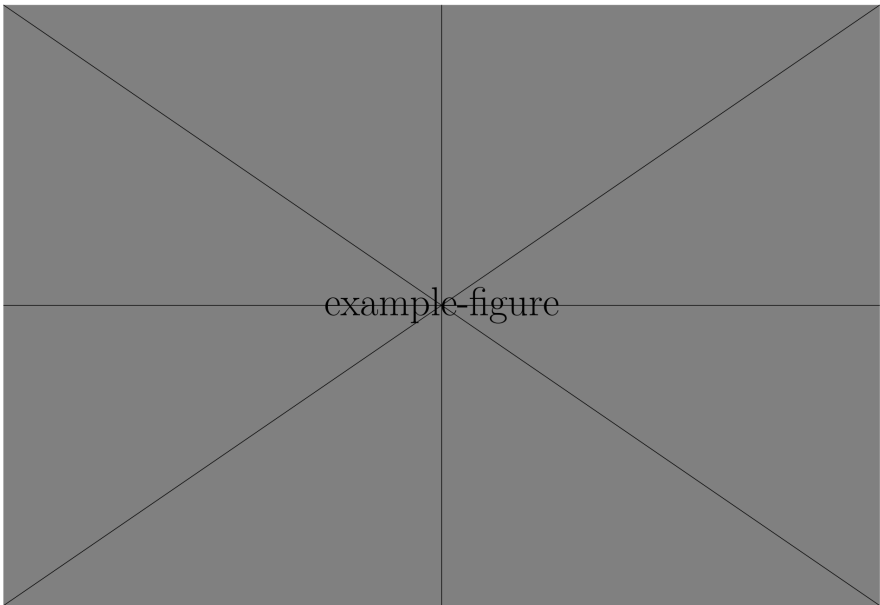| Region	Indicator	Value
Region A	Economic Growth	3.5%
		1.5 trillion
		4.8% Inflation
	Unemployment Rate	5.1%
		2.4% (Youth)
		4.7% (Women)
		3.2% (Men)
Region B	Economic Growth	2.1%
		0.9 trillion
		2.3% Inflation
	Unemployment Rate	6.7%
		3.8% (Youth)
		4.5% (Total)

Figure 2.1: An example figure showing a conceptual diagram.

2.2.2 Subfigures

Below is an example of subfigures (Fig. **??**), which contains 4 subfigures (Fig. 2.2(a), Fig. 2.2(b), Fig. 2.2(c), and Fig. 2.2(d)).
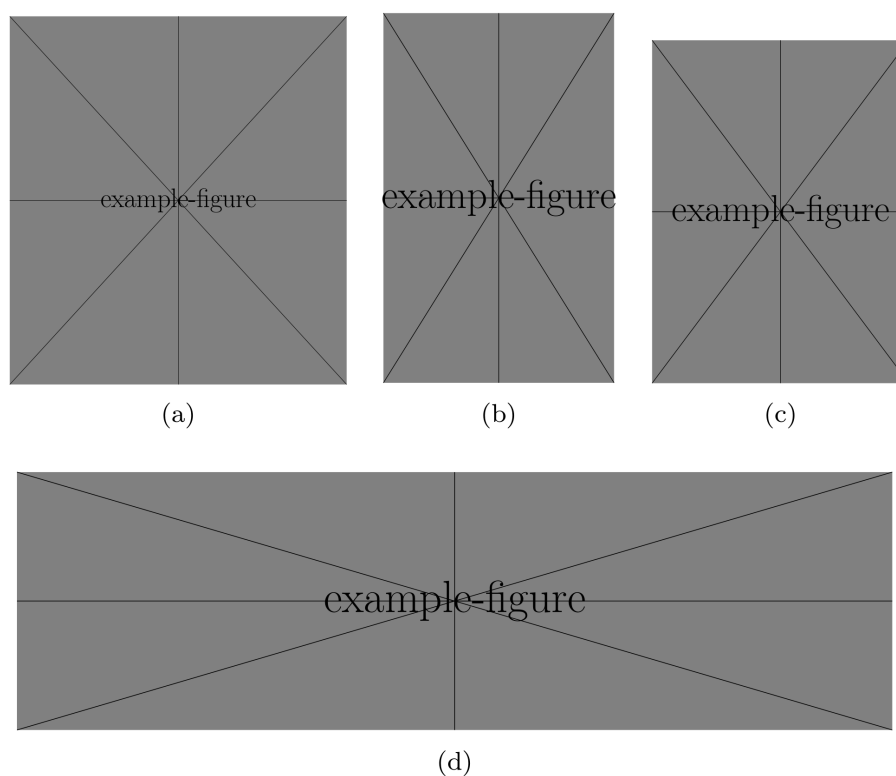

(a) (b) (c)

(d)

Figure 2.2: Example subfigures (a) Subfigure 1, (b) Subfigure 2, (c) Subfigure 3, and (d) Subfigure 4.

2.3 Formulas and Equations

This section includes an example of how to format equations. The incidence matrix is given by Eq. 2.1:

$$
a_{kl} = \begin{cases} 1, & \text{edge } l \text{ leaves node } k, \\ -1, & \text{edge } l \text{ enters node } k, \\ 0, & \text{otherwise,} \end{cases} \tag{2.1}
$$

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

2.4   References

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

Bibliography

[1] p. personA, "Title of the article," *Journal of Journal*, vol. 91, pp. 109–125, Aug. 2018. 2.4