MODULE NAME

LaTeX Template

SUBTITLE (delete if not used)

AUTHOR NAME

DEGREE TITLE

Submitted: ...

Word count: ...

BIRMINGHAM CITY
University

School of Computing and Digital Technology
Faculty of Computing, Engineering and the Built Environment
Birmingham City University

Abstract

This section is for an abstract.

Acknowledgements

Put any acknowledgements here, or delete this section.

Contents

Glossary

CS Computer Science

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1 Introduction

This report will investigate...

This document is meant to illustrate some of the less well-documented methods of organising info and data in LaTeX. For instance, you can find official Overleaf documentation for creating tables and documenting code, but getting specific formats outside of these methods requires a lot of Google searching.

1.1 Background Information

Some background info. Subsection example.

1.2 Example Referencing

According to a blog by Ibrahim (2024), it can be concluded that...

For modern databases, a mixture of speed, scalability, and storage capabilities can be considered the most important factors (RisingWave, 2023).

Only sources cited in the document text is recorded in the 'Reference List' section - this is done by default in LaTeX / Overleaf. So, even if there are more sources in the 'references.bib', they will not appear in the 'Reference List' if they are not cited.

A bibliography, a piece of text that contains all referenced sources and all other sources researched but were not included in the document body, is included after the references section.

1.3 Example Tables

Table 1.1: Standard table.

ID	Description
1	Some description

Table 1.2: Dynamic width table with left align.

ID	**Description**	**Significance**
1	Some description	Vital

Table 1.3: Dynamic width table with set column widths.

ID	**Description**	**Significance**
1	Some description	Vital

Table 1.4: Dynamic width table across multiple pages.

ID	Description	Significance
1	Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetuer id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.	Vital
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Continuation of Table 1.4

ID	Description	Significance
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End of Table

1.4 Example Figures

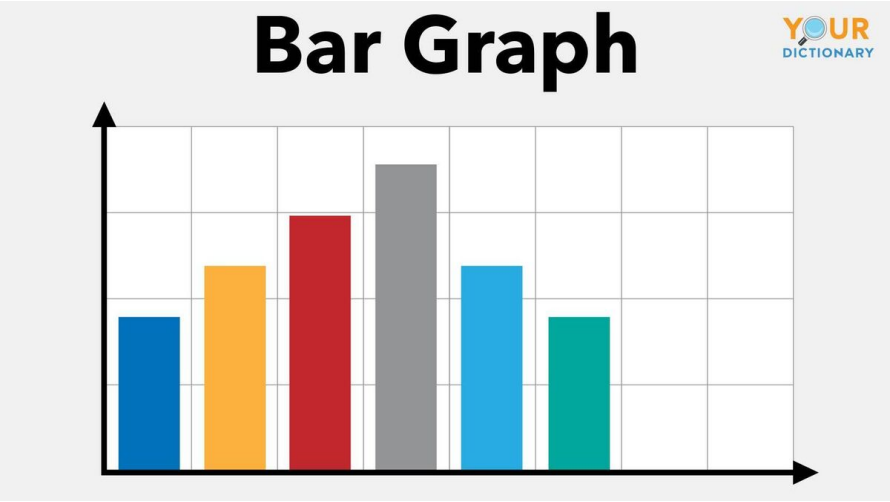
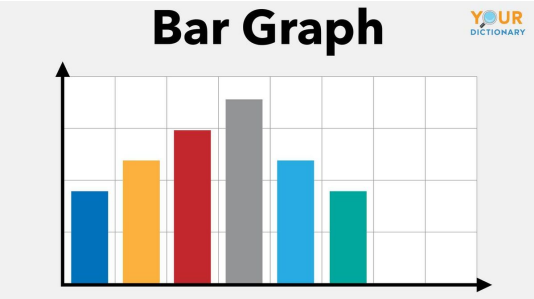
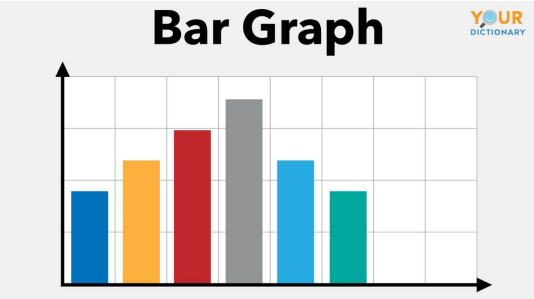


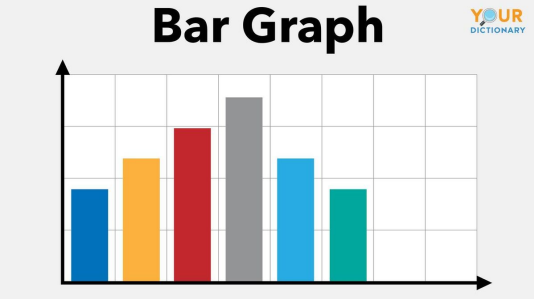
Figure 1.1: Example bar chart.



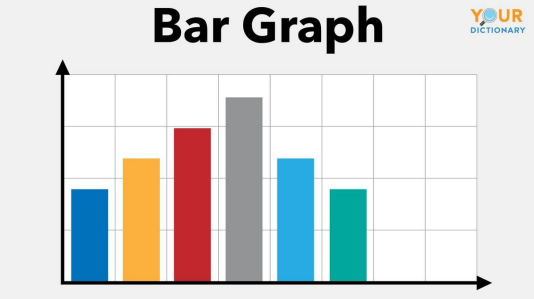
Example bar chart.



Example bar chart.



Example bar chart.



Example bar chart.

Figure 1.2: Example subfigure charts.

1.5 Landscape Pages(s)

This is an example landscape page. Particularly useful for longer tables or larger figures.

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Appendix A Exploratory Data Analysis

A.1 EDA Subsection

...

Appendix B Code

B.1 Docker Compose: Containers Creation

The following code is in YAML format. Just chagne the 'yaml' part in the .tex file to other languages for other syntax highlighting (e.g., 'python', 'js', etc.).

```yaml
name: test-hello-world
services:
  hello_world:
    image: hello-world
```

B.2 Hello in Python

```python
def say_hello(name):
    print("Hello {}".format(name))

say_hello("James")
```

B.3 Hello in JavaScript

```javascript
const say_hello = (name) => {
    console.log(name);
}

say_hello("James")
```