

Recurrent Neural Networks and its applications

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Contents

1	Introduction	2
2	Mathematical Examples	2
2.1	Inline Formula	2
2.2	Displayed Equations	2
2.3	Equation Numbering	2
3	Inserting Images	2
4	Tables	2
5	Hyperlinks	3
6	Conclusions	3
A	Appendix	4

1 Introduction

This is the introduction section. You can write about the purpose of the document, its structure, or any background information. For example:

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur 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.

2 Mathematical Examples

Below are examples of how to include mathematical formulas and equations.

2.1 Inline Formula

An example of an inline formula: $E = mc^2$.

2.2 Displayed Equations

Here is a displayed equation:

$$\int_a^b x^2 dx = \frac{b^3}{3} - \frac{a^3}{3}$$

2.3 Equation Numbering

You can also number your equations:

$$F = ma \tag{1}$$

3 Inserting Images

To insert an image, use the ‘graphicx’ package. For example:

4 Tables

You can create tables using the ‘tabular’ environment or ‘booktabs’ for professional-quality tables. For example:

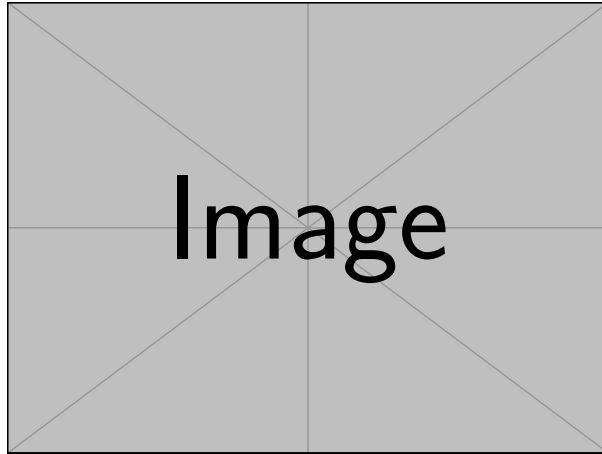


Figure 1: An example image.

Table 1: Example Table

Item	Description	Quantity
Apples	Fresh red apples	10
Oranges	Juicy oranges	5
Bananas	Ripe bananas	7

5 Hyperlinks

To add a hyperlink, use the ‘hyperref’ package. For example: [Visit the LaTeX project website.](#)

6 Conclusions

This is the conclusion section. Summarize your findings or leave final remarks.

A Appendix

This is the appendix section, where you can include supplementary materials.