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DME: Mini-Project Report

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Abstract

Some abstract text...

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1 Example Section

This is a section where basic commands are shown

Just look at the examples/examples. Tex file.

1.1 Example Subsection

Some commands are following...

1.1.1 General Text Formatting

Emphasize, bold,

1.1.2 Lists

Unordered list:

- some list item
- and another

Enumerated list:

- 1. first item
- 2. and the second one

1.1.3 Text referencing

Every time you use a label you can reference it by using the ref command. I've created some custom commands that handle labels and referencing more implicitly for images and code.

Just ask for details.

1.1.4 Maths

Inline math is as easy as 1 + 1 = 2, you see?

Centered Equation

$$1 + 1 = 2$$

Numbered (and referencable) Equation

$$1+1=2\tag{1}$$

I can use the ref command to reference equation (1).

1.1.5 Code

There are three variants to insert code. The visuals could be tweaked.

Inline Code

The first is inline code, where just a monospace font is used.

Code environment

This Code is directly written inside an lstlisting environment:

```
1 function one() {
2    return 1;
3 }
```

Listing 1:

Code from file

Note: The minipage environment can be used to prevent code being split by a page break.

```
1 | function identity(x){
2 | return x;
3 | }
```

Listing 2: Example code inserted from examples/code.js

code-reference-id

1.1.6 Footnotes

A footnote¹ is created with the footnote command.

1.1.7 Citations

We still have to figure out how to go about a shared bibliography. My Mendeley creates a bibliography for the DME references automatically. We could use this as a basis and have additional .bib files for individual references.

Anyways...I'd like to cite Millán [1] in here.

¹some explanatory text

2 Overview

Notes:

• The report is supposed to be around 6-12 pages.

. .

3 Previous Work

Notes:

• We are supposed to review about 2-3 papers on the topic.

...brief literature review ...

4 Data Preparation

- Conversion into Weka format (ARFF)
- . . .

. . .

5 Exploratory Data Analysis

- Distribution of feature values
- Correlations between features?
- Separability?
- ...

6 Learning Methods Used

Chosen Learning Methods based on Literature Review and Exploratory Data Analysis

- SVM
- Logistic Regression
- ...

7 Results & Evaluation

. . .

8 Conclusion

. . .

References References

References

[1] JR del Millán. On the need for on-line learning in brain-computer interfaces. *Neural Networks*, 2004 IEEE International Joint Conference, 2004.