

Project Machine Learning

— Milestone 1 —

Max Mustermann

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1 Overview

Hello, here is some text without a meaning. This text should show what a printed text will look like at this place. If you read this text, you will get no information. Really? Is there no information? Is there a difference between this text and some nonsense like “Huardest gefburn”? Kjift – not at all! A blind text like this gives you information about the selected font, how the letters are written and an impression of the look. This text should contain all letters of the alphabet and it should be written in of the original language. There is no need for special content, but the length of words should match the language.

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2 Feature Extraction

Matplotlib (<https://matplotlib.org/>) allows you to save figures as SVG or PDF which are vector graphics. This is the preferred format for figures. See also Figure 1 for an

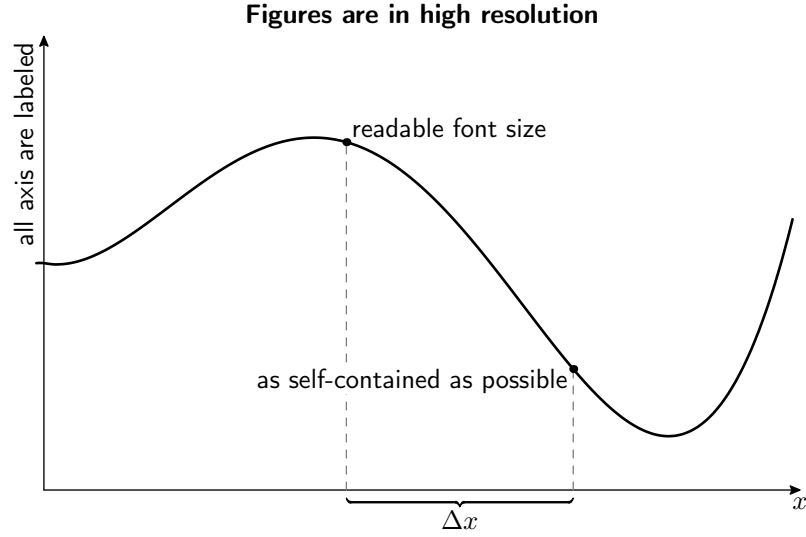


Figure 1: A figure caption *describes* the figure. Explanation and interpretation is provided in the main text.

example vector graphic¹. Figures with many elements are more efficiently saved in PNG format, but don't forget to save them at 300dpi.

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$$\bar{x} = \frac{1}{n} \sum_{i=1}^{i=n} x_i = \frac{x_1 + x_2 + \dots + x_n}{n}$$

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$$\int_0^\infty e^{-\alpha x^2} dx = \frac{1}{2} \sqrt{\int_{-\infty}^\infty e^{-\alpha x^2} dx \int_{-\infty}^\infty e^{-\alpha y^2} dy} = \frac{1}{2} \sqrt{\frac{\pi}{\alpha}}$$

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$$\sum_{k=0}^{\infty} a_0 q^k = \lim_{n \rightarrow \infty} \sum_{k=0}^n a_0 q^k = \lim_{n \rightarrow \infty} a_0 \frac{1 - q^{n+1}}{1 - q} = \frac{a_0}{1 - q}$$

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¹Footnotes contain additional information that is not necessary for understanding your report. Figure 1 was created with METAPOST.

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$$x_{1,2} = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a} = \frac{-p \pm \sqrt{p^2 - 4q}}{2}$$

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$$\frac{\partial^2 \Phi}{\partial x^2} + \frac{\partial^2 \Phi}{\partial y^2} + \frac{\partial^2 \Phi}{\partial z^2} = \frac{1}{c^2} \frac{\partial^2 \Phi}{\partial t^2}$$

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3 Feature Selection

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	Method A	Method B	Method C
Condition 1	0.78	0.81	0.65
Condition 2	0.50	0.43	0.44
Condition 3	0.96	0.95	0.94

Table 1: This is a table caption. Best method for each condition in bold font.

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4 Conclusion

Table 1 shows an example of a table. Hello, here is some text without a meaning. This text should show what a printed text will look like at this place. If you read this text, you will get no information. Really? Is there no information? Is there a difference between this text and some nonsense like “Huardest gefburn”? Kjift – not at all! A blind text like this gives you information about the selected font, how the letters are written and an impression of the look. This text should contain all letters of the alphabet and it should be written in of the original language. There is no need for special content, but the length of words should match the language.

Some citation examples Without parentheses if in running text: Einstein (1905) could show something. With parentheses if not in running text: \LaTeX is very powerful (see Goossens et al., 1993; Knuth, 1984).

References

- A. Einstein. Zur Elektrodynamik bewegter Körper. (German) [On the electrodynamics of moving bodies]. *Annalen der Physik*, 322(10):891–921, 1905.
- M. Goossens, F. Mittelbach, and A. Samarin. *The \LaTeX Companion*. Addison-Wesley, Reading, Massachusetts, 1993.
- D. Knuth. Computers and typesetting, 1984. URL <https://www-cs-faculty.stanford.edu/~knuth/abcde.html>.