

1 Sample Document and Key Concepts

This is a short document to illustrate the basic use of LaTeX. Simply leave a blank line to get a new paragraph; indentation is automatic.

Mathematical expressions such as $y = 3 \sin x$ are obtained with dollar signs.

Equations can be displayed, as in

$$y = 3 \sin x$$

Numbered equations are also possible:

$$y = 3 \sin x \tag{1}$$

Because we have labeled this equation we can refer to it without having to know its number. thus, the preceding equation was number (1).

Powers (superscripts), as in x^2 , are obtained with \wedge ; more complicated power must live in curly braces: $x^{2+\alpha}$

Likewise, subscripts are obtained with the underscore: y_3 or y_{n+1} .

We can get both with $x_{n+1}^{2+\alpha}$.

The special characters $\&$, $\%$, $\$$, $\%$, $_$, $\{$, $\}$, and $\#$ may be printed by preceding each with a backslash. We can then put text in curly braces.

It is likely that 50% of the time you will be frustrated because you forgot to precede the $\%$ symbol by a backslash.

2 Type Style

Upright type

Italic type

Slanted type

SMALL CAPS TYPE

Medium **Boldface**

Roman Sans serif Typewriter

Don't overuse type-changing. It annoys the READER. And loses impact.

PILE ON *lots* OF SUBTLETY. Sans serif adds a little *je ne sais rein*. Nouns should never be verbed.

LARGE text makes ideal Large text for a shortsighted people; tiny text makes ideal scriptsize text for longsighted people.

3 Enviroments

- Every sentence should make sense in isolation. Like that one.
- There is a lot to be said for brevity.
- Many words can ostensibly be deleted.

- Eschew the highfalutin.
- Understatement is a mindblowingly effective weapon.

1. Spellcheckers are not perfect; they can kiss many errors.
2. Somebody once said that all quotes should be accurately attributed.
3. The importance of comprehensive cross-referencing will be covered elsewhere.

Rule 1. Mixed metaphors can kill two birds without a paddle.

Rule 2. Similes are about as much use as a chocolate teapot.

1. Punctuation
 - (a) Don't use commas, to separate text unnecessarily.
 - (b) Avoid ugly abbreviations.
2. Spelling
 - (a) If there's a particular word you can never spell, use a mnemonic.
 - (b) Take care with plurals.

| Name | Mark | Grade |
|----------------|------|-------|
| Emma Winner | 99 | A+ |
| Scott Passmark | 51 | C |
| Shirley Knott | 5 | F |

Table 1: Class Mark List

Assignment 1

Sue d'Onym
MS601

The marks for the 1996 class are more respectable.

| Name | Mark | Grade |
|----------------|------|-------|
| Emma Winner | 99 | A+ |
| Scott Passmark | 51 | C |
| Shirley Knott | 5 | F |

The avarage mark is well over 50%

| Name | Mark | Grade |
|----------------|------|-------|
| Emma Winner | 99 | A+ |
| Scott Passmark | 51 | C |
| Shirley Knott | 5 | F |

| Name | Marks | |
|----------------|-------|-------|
| | MS601 | MS602 |
| Emma Winner | 99 | 51 |
| Scott Passmark | 51 | 50 |
| Shirley Knott | 5 | 49 |

The results given in Table 1 show the very satisfactory performance off the 1996 class, whose avarage is over 50% (Note that we have referred to the number of the table before it appears.)

abc fbgfbgfbgf [3] jhgjhghghghgijg

References

- [1] Caso clnico: Pinzamiento extraarticular de cadera. reporte de caso.
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- [2] Eduard J. Dudewicz and Satya N. Mishra. *Modern mathematical statistics*. John Wiley, New York, 1988.
- [3] Stephen Stigler. Fisher in 1921. *Statistical Science*, 20(1):32 – 49, 2005.