

# My First L<sup>A</sup>T<sub>E</sub>Xdocument

Elvis Williams

August 2022

## Abstract

This is a simple paragraph at the beginning of the document. It gives a brief explanation of the article and simple roadmap of its contents.

We have now added a title, author and date to our first L<sup>A</sup>T<sub>E</sub>X document! First document. This is a simple example, with no extra parameters or packages included. Now I have added more text to the document and I need to recompile.

Some of the **greatest** discoveries in science were made by ***accident***. Some of the greatest *discoveries* in science were made by accident.

As you can see in figure 1, negative stereotypes are caused by three different forms of threat perception.

- The individual entries are indicated with a black dot, a so-called bullet.
- The text in the entries may be of any length.

1. This is the first entry in our list.
2. The list number increase with each entry we add.

inline math mode  $E = mc^2$

display math mode

$$E = mc^2$$

In natural units ( $c = 1$ ), the formula expresses the identity

Subscripts are written as  $a_b$  and Superscripts  $a^b$  These can be combined and nested

$$T_{j_1 j_2 \dots j_q}^{i_2 \dots i_p} = T(x^{i_1}, \dots, x^{i_p}, e_{j_1})$$

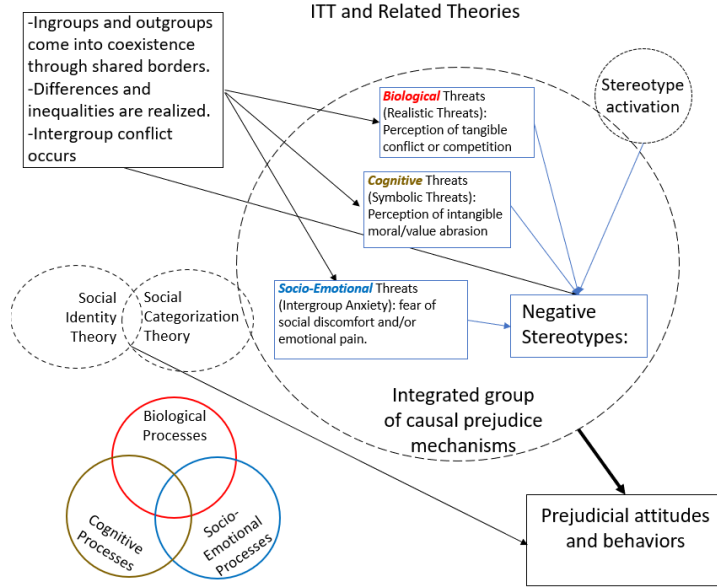


Figure 1: Integrated Threat and related theories

write integrals using  $\int$  and fractions using  $\frac{}{}$ . Limits are placed on integrals using superscripts and subscripts:

$$\int_0^1 \frac{dx}{e^x} = \frac{1}{e} - 1$$

Lower case Greek letters are written as  $\omega$   $\delta$  etc. while upper case Greek letters are written as  $\Omega$   $\Delta$ .

Mathematical operators are prefixed with a backslash as  $\sin(\beta)$ ,  $\cos(\alpha)$ ,  $\log(x)$  etc.

## 1 First example

This is a simple math expression  $\sqrt{x^2 + 1}$  inside text.