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# AN OBSERVATION OF THE SLEEPING SITUATION OF PSU STUDENTS BY A TWO-FACTOR ANCOVA ANALYSIS

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# 1 Introduction

Your introduction goes here! Some examples of commonly used commands and features are listed below, to help you get started.

## 2 Some L<sup>A</sup>T<sub>E</sub>X Examples

### 2.1 Sections

Use `sections` and `subsections` to organize your document. L<sup>A</sup>T<sub>E</sub>X handles all the formatting and numbering automatically. Use `ref` and `label` for cross-references — this is Section 2, for example.

### 2.2 Tables and Figures

Use `tabular` for basic tables. You can upload a figure (JPEG, PNG or PDF) using the files menu. To include it in your document, use the `includegraphics` command (see the comment below in the source code).

### 2.3 Mathematics

L<sup>A</sup>T<sub>E</sub>X is great at typesetting mathematics. Let  $X_1, X_2, \dots, X_n$  be a sequence of independent and identically distributed random variables with  $E[X_i] = \mu$  and  $\text{Var}[X_i] = \sigma^2 < \infty$ , and let

$$S_n = \frac{X_1 + X_2 + \dots + X_n}{n} = \frac{1}{n} \sum_i^n X_i$$

denote their mean. Then as  $n$  approaches infinity, the random variables  $\sqrt{n}(S_n - \mu)$  converge in distribution to a normal  $\mathcal{N}(0, \sigma^2)$ .

### 2.4 Lists

You can make lists with automatic numbering ...

1. Like this,
2. and like this.

...or bullet points ...

- Like this,
- and like this.