



# Linux : Getting feet wet

Bridge Course 2019

EE Dept IITB

24 July 2019

# Outline


- 1 Introduction
  - What is Linux
  - Why Linux
- 2 Some L<sup>A</sup>T<sub>E</sub>X Examples
  - Tables and Figures
  - Mathematics

Linux is a family of open source Unix-like operating systems based on the Linux kernel,  
Typically packaged in a Linux distribution



# Tables and Figures

- Use `tabular` for basic tables – see Table 1, for example.
- 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).



Item	Quantity
Widgets	42
Gadgets	13

Table 1: An example table.

# Readable 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

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

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