

Building fast privacy-preserving scheme for applications on smart devices

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Outline

Introduction
Mathematics

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- ▶ “Imitator Game”
- ▶

Examples

Some examples of commonly used commands and features are included, to help you get started.

Nowadays

- ▶ Internet is liking a blackhole,
- ▶ Snowden
- ▶ Apple Cloud

| Item | Quantity |
|---------|----------|
| Widgets | 42 |
| Gadgets | 13 |

Table 1: An example table.

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Introduction

Mathematics

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

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

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