Article Title

Jane Doe[*]
The Department
An Organization
A second affilication

John Doe
Another Affiliation

November 29, 2023

Abstract

The text of your abstract. The `cmc-article` format is designed for scholarly articles, especially preprints. Its goal is to be lightweight yet customizable, with thoughtful typography and layout.

Keywords 3 to 6 keywords • can go here

1 Introduction

Body of paper. Citations are easy to use (Metropolis et al., 1953). See Section 2 for a math demonstration.

2 Additional section headings here

`cmc-article` includes helpful math packages: `mathtools`, `amssymb`, `amsthm`, and `physics` by default. It also includes a default `header.tex` file with useful macros for math and statistics.

$$\mathbf{X} \sim \mathcal{N}(\mu, \Sigma^2); \quad p(\mathbf{x}) = \frac{1}{\sqrt{(2\pi)^k \det(\mathbf{\Sigma})}} \exp\left(-\frac{1}{2}(\mathbf{x}-\mu)^\top \mathbf{\Sigma}^{-1}(\mathbf{x}-\mu)\right)$$

$$\mathbb{E}(Y) = \sum_{y \in \mathcal{Y}} y\, \mathbb{P}(Y = y) = \sum_{y \in \mathcal{Y}} y\, \mathbb{E}(\mathbb{1}\{Y = y\})$$

The package also includes an `assump` environment for typesetting assumptions which can be referenced by easy-to-remember abbreviations.

Assumption IID. *The observations $X_1, X_2, \ldots, X_n$ are independent and identically distributed.*

Assumption FE (Finite expectation)**.** *For each $1 \leq i \leq n$, we have $E[X_i] = \mu < \infty$.*

Theorem 2.1. *Let $\overline{X}_n := n^{-1} \sum_{i=1}^n X_i$. Then under IID and FE, we have $\overline{X}_n \xrightarrow{p} \mu$ as $n \to \infty$.*

2.1 An example subsection heading

See Figure 1 for an example figure.

[*]To whom correspondence should be addressed. Email: jdoe1@example.org. Website: https://example.org/. Address: 1 Union St, Seattle, WA 98101. Acknowledgements here.

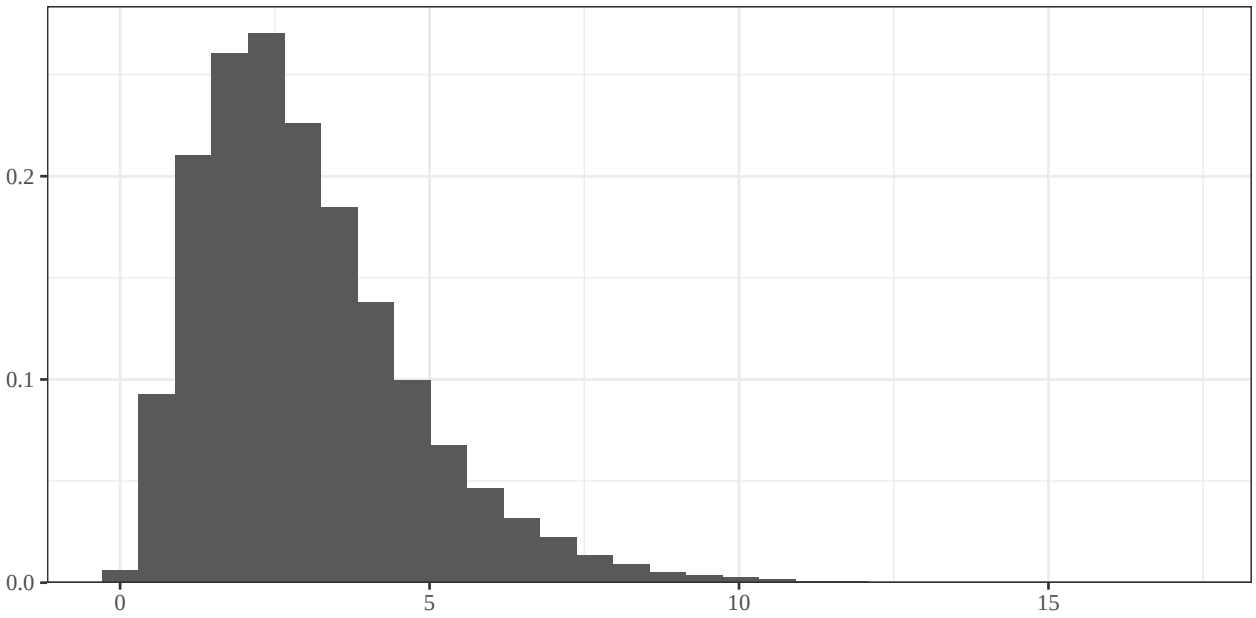

Figure 1: Histogram of samples from a gamma distribution.

3 Conclusion

The references will appear automatically before the first section labeled `{.appendix}`.

References

Metropolis, N., Rosenbluth, A. W., Rosenbluth, M. N., Teller, A. H., and Teller, E. (1953). Equation of state calculations by fast computing machines. *The Journal of Chemical Physics*, 21(6):1087–1092.

A First appendix section

This section will be numbered like an appendix and will appear after the references.

B Second appendix section

If there is no content in the last section it will be used to title the references section instead.