Article Title[*]

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September 28, 2025

Abstract

The text of your abstract. The `ajl-article` format is designed for scholarly articles, especially preprints. Its goal is to be lightweight yet customizable, with thoughtful typography and layout. The template is based off of Cory McCartan's `cmc-article` template, as well as Christopher Kenny's `ctk-article` template.

Keywords 3 to 6 keywords • can go here

JEL: First JEL code here • Second JEL code here • and so forth

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. Some of these are demonstrated in Eq. 1.

$$\begin{aligned} \mathbf{X} \sim \mathcal{N}(\boldsymbol{\mu}, \boldsymbol{\Sigma}^2); \quad p(\mathbf{x}) &= \frac{1}{\sqrt{(2\pi)^k \det(*\Sigma)}} \exp\left(-\frac{1}{2}(\mathbf{x}-\boldsymbol{\mu})^\top \boldsymbol{\Sigma}^{-1}(\mathbf{x}-\boldsymbol{\mu})\right) \\ \mathbb{E}(Y) = \sum_{y \in \mathcal{Y}} y \mathbb{P}(Y=y) &= \sum_{y \in \mathcal{Y}} y \mathbb{E}(\mathbb{1}\{Y=y\}) \end{aligned} \tag{1}$$

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

Theorem 2.1 (Weak Law of Large Numbers): Let $\bar{X}_n := n^{-1} \sum_{i=1}^n X_i$. Then under and , we have $\bar{X}_n \xrightarrow{p} \mu$ as $n \to \infty$.

[*]Acknowledgements here.

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2.1 An example subsection heading

See Figure 1 for an example figure.

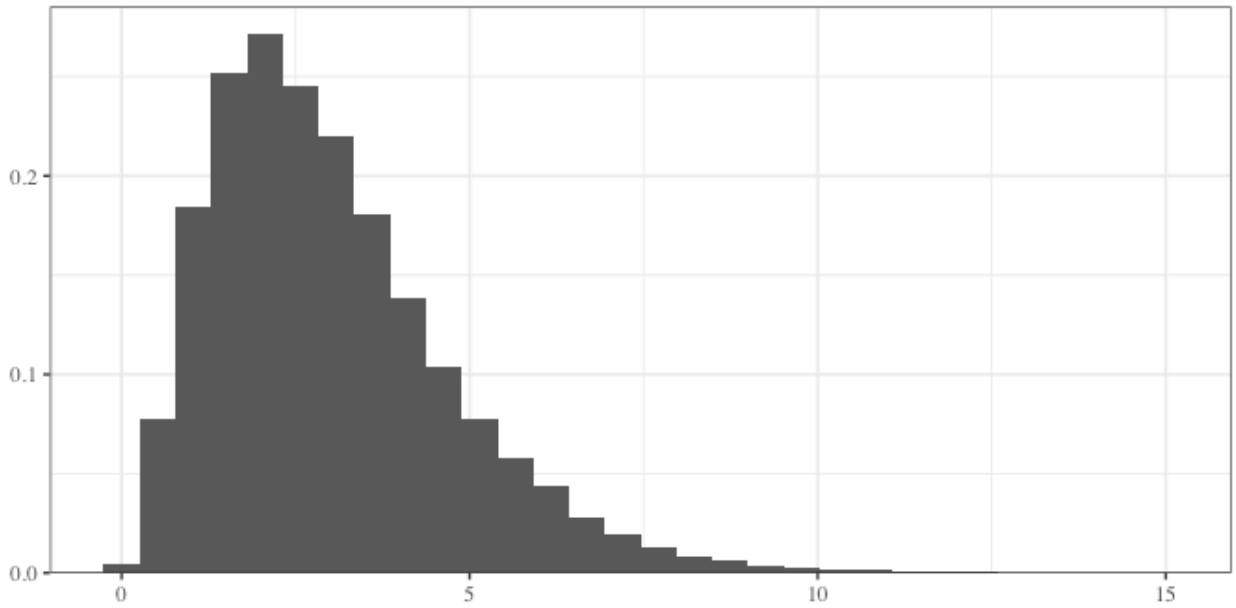

Figure 1: Histogram of samples from a gamma distribution.

2.1.1 Level 3 heading

Testing that *italics* and **bold** text work.

2.1.1.1 Level 4 (numbered paragraph) heading

Text here.

Level 5 (paragraph) heading

Text here.

3 Conclusion

The final section of the main text.

References

Metropolis, Nicholas, Arianna W Rosenbluth, Marshall N Rosenbluth, Augusta H Teller, and Edward Teller. 1953. "Equation of State Calculations by Fast Computing Machines." *The Journal of Chemical Physics* 21 (6): 1087–92.

A Appendix section

This section will be numbered like an appendix