Article Title

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The Department An Organization

Another Affiliation

A second affilication

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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.

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

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 $\bar{X}_n \stackrel{p}{\to} \mu$ as $n \to \infty$.

^{*}Acknowledgements here.

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2.1 An example subsection heading

See Figure 1 for an example figure.

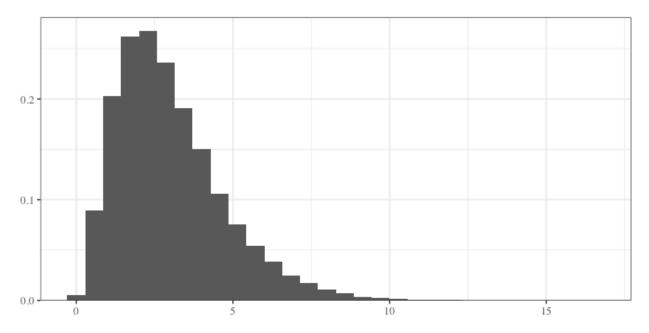


Figure 1: Histogram of samples from a gamma distribution.

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