

A sample article title

FIRST AUTHOR

First Department of the First Author, University and Second Department of the First Author,
University

SECOND AUTHOR

Department of the Second and Third Authors, University

THIRD AUTHOR

Department of the Second and Third Authors, University

The abstract should summarize the contents of the paper. It should be clear, descriptive, self-explanatory and not longer than 150 words. It should also be suitable for publication in abstracting services. Please avoid using math formulas as much as possible.

KEYWORDS. First keyword, second keyword.

JEL CLASSIFICATION. First JEL, second JEL.

First Author: first@somewhere.com

Second Author: second@somewhere.com

Third Author: third@somewhere.com

We thank four anonymous referees. The first author gratefully acknowledges financial support from the National Science Foundation through Grant XXX-0000000.

1. INTRODUCTION

This template helps you to create a properly formatted $\text{\LaTeX}2_{\epsilon}$ manuscript. Prepare your paper in the same style as used in this sample .pdf file. Try to avoid excessive use of italics and bold face. Please do not use any $\text{\LaTeX}2_{\epsilon}$ or \TeX commands that affect the layout or formatting of your document (i.e., commands like `\textheight`, `\textwidth`, etc.).

2. SECTION HEADINGS

Here are some subsections:

2.1 *A subsection*

Regular text.

2.1.1 *A subsubsection* Regular text.

3. TEXT

3.1 *Lists*

The following is an example of an *itemized* list, two levels deep.

- This is the first item of an itemized list. Each item in the list is marked with a “tick.” The document style determines what kind of tick mark is used.
- This is the second item of the list. It contains another list nested inside of it.
 - This is the first item of an itemized list that is nested within the itemized list.
 - This is the second item of the inner list. \LaTeX allows you to nest lists deeper than you really should.

This is the rest of the second item of the outer list.

- This is the third item of the list.

The following is an example of an *enumerated* list of one level.

(i) This is the first item of an enumerated list.

(ii) This is the second item of an enumerated list.

The following is an example of an *enumerated* list, two levels deep.

1. This is the first item of an enumerated list. Each item in the list is marked with a “tick.” The document style determines what kind of tick mark is used.

2. This is the second item of the list. It contains another list nested inside of it.

(a) This is the first item of an enumerated list that is nested within.

(b) This is the second item of the inner list. \LaTeX allows you to nest lists deeper than you really should.

This is the rest of the second item of the outer list.

3. This is the third item of the list.

3.2 Punctuation

Avoid unnecessary hyphenation; many hyphenated words can be treated as one or two words. Dashes come in three sizes: a hyphen, an intra-word dash like “*U*-statistics” or “the time-homogeneous model”; a medium dash (also called an “en-dash”) for number ranges or between two equal entities like “1–2” or “Cauchy–

Schwarz inequality”; and a punctuation dash (also called an “em-dash”) in place of a comma, semicolon, colon or parentheses—like this.

Generating an ellipsis ... with the right spacing around the periods requires a special command.

3.3 Citation

Only include in the reference list entries for which there are text citations, and make sure all citations are included in the reference list. Simple author and year cite: [Aumann \(1987\)](#). Multiple bibliography items cite: [Peck \(1994\)](#), [Enelow and Hinich \(1990\)](#), [Wittman \(1990\)](#). Author only cite: [Wittman](#). Year only cite: [\(1990\)](#).

4. FONTS

Please use text fonts in text mode, e.g.:

Roman

Italic

Bold

SMALL CAPS

Sans serif

Typewriter

Please use mathematical fonts in mathematical mode, e.g.:

ABCabc123

1	<i>ABCabc123</i>	1
2	ABCabc123	2
3		3
4	<i>ABCabc123</i> $\alpha\beta\gamma$	4
5		5
6	\mathcal{ABC}	6
7	\mathbb{ABC}	7
8		8
9	ABCabc123	9
10	ABCabc123	10
11		11
12	ABC abc123	12
13	Note that $\mathcal{}$, $\mathbb{}$ belongs to capital letters-only font typefaces.	13
14		14
15	5. NOTES	15
16	Footnotes ¹ pose no problem. ²	16
17		17
18	6. QUOTATIONS	18
19	Text is displayed by indenting it from the left margin. There are short quotations	19
20	This is a short quotation. It consists of a single paragraph of text. There is no para-	20
21	graph indentation.	21
22		22
23	and longer ones.	23
24	This is a longer quotation. It consists of two paragraphs of text. The beginning of	24
25	each paragraph is indicated by an extra indentation.	25
26	<hr/> ¹ This is an example of a footnote.	26
27	² Note that footnote number is after punctuation.	27

This is the second paragraph of the quotation. It is just as dull as the first paragraph.

7. ENVIRONMENTS

7.1 Examples for plain-style environments

AXIOM 1. *This is the body of Axiom 1.*

CLAIM 2. *This is the body of Claim 2. Claim 2 is numbered after Axiom 1 because we used [axiom] in \newtheorem.*

THEOREM 1. *This is the body of Theorem 1. Theorem 1 is not numbered after Axiom 1 or Claim 2, because we didn't use [axiom] in \newtheorem, thus numbering starts from 1.*

PROOF. This is the body of the proof of the theorem above. □

THEOREM 2 (Title of the Theorem). *This is the body of Theorem 2. Theorem 2 has additional title.*

LEMMA 3. *This is the body of Lemma 3. Lemma 3 is numbered after Theorem 2 because we used [theorem] in \newtheorem.*

FACT. *This is the body of the fact. Fact is unnumbered because we used \newtheorem* instead of \newtheorem.*

PROOF OF THEOREM 2. This is the body of the proof of Theorem 2. □

7.2 Examples for remark-style environments

DEFINITION 4. This is the body of Definition 4. Definition 4 is numbered after Lemma 3 because we used [theorem] in \newtheorem.

EXAMPLE. This is the body of the example. Example is unnumbered because we used `\newtheorem*` instead of `\newtheorem`. \diamond

8. EQUATIONS AND THE LIKE

Only number equations to which there is a subsequent reference. See equations below (1)–(7).

Two equations:

$$C_s = K_M \frac{\mu/\mu_x}{1 - \mu/\mu_x} \quad (1)$$

and

$$G = \frac{P_{\text{opt}} - P_{\text{ref}}}{P_{\text{ref}}} 100(\%). \quad (2)$$

Equation arrays:

$$\frac{dS}{dt} = -\sigma X + s_F F, \quad (3)$$

$$\frac{dX}{dt} = \mu X, \quad (4)$$

$$\frac{dP}{dt} = \pi X - k_h P, \quad (5)$$

$$\frac{dV}{dt} = F. \quad (6)$$

One long equation:

$$\begin{aligned} \mu_{\text{normal}} &= \mu_x \frac{C_s}{K_x C_x + C_s} \\ &= \mu_{\text{normal}} - Y_{x/s} (1 - H(C_s)) (m_s + \pi/Y_{p/s}) \\ &= \mu_{\text{normal}}/Y_{x/s} + H(C_s) (m_s + \pi/Y_{p/s}). \end{aligned} \quad (7)$$

Note that variables made of more than one letter should use command `\mathit`, e.g., $sov = 550$, where sov is sum of votes. Abbreviations used in subscripts or

TABLE 1. The spherical case ($I_1 = 0$, $I_2 = 0$).

Equil. Points	x	y	z	C	S
L_1	-2.485252241	0.000000000	0.017100631	8.230711648	U
L_2	0.000000000	0.000000000	3.068883732	0.000000000	S
L_3	0.009869059	0.000000000	4.756386544	-0.000057922	U
L_4	0.210589855	0.000000000	-0.007021459	9.440510897	U
L_5	0.455926604	0.000000000	-0.212446624	7.586126667	U
L_6	0.667031314	0.000000000	0.529879957	3.497660052	U
L_7	2.164386674	0.000000000	-0.169308438	6.866562449	U
L_8	0.560414471	0.421735658	-0.093667445	9.241525367	U
L_9	0.560414471	-0.421735658	-0.093667445	9.241525367	U
L_{10}	1.472523232	1.393484549	-0.083801333	6.733436505	U
L_{11}	1.472523232	-1.393484549	-0.083801333	6.733436505	U

Note: This is how table note should be presented. Please do not use asterisks or bold face to denote statistical significance. We encourage authors to report standard errors and coverage sets or confidence intervals.

superscripts should use $\mathrm{e.g.}$, $t_{\max} - t_{\min} = 10$. Operator names should use $\operatorname{e.g.}$ AR(1). Also, note that \emptyset symbol is preferred as opposed to \varnothing .

9. TABLES AND FIGURES

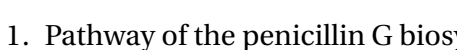
Cross-references to labeled tables: As you can see in Table 1 and also in Table 2.

Sample of cross-reference to figure: Figure 1 shows that it is not easy to get something on paper.

APPENDIX: TITLE

Appendices should be provided in `{appendix}` environment. If there is only one appendix, then please refer to it in text as ... in the [Appendix](#).

Quantile



1 1 1 1 6 4 1

Appendix B, etc.

APPENDIX B: TITLE OF THE SECOND APPENDIX

B.1 *First subsection of Appendix B*

Use the standard \LaTeX commands for headings in `{appendix}`. Headings and other objects will be numbered automatically.

$$\mathcal{P} = (j_{k,1}, j_{k,2}, \dots, j_{k,m(k)}). \quad (8)$$

Sample of cross-reference to formula (8) in Appendix B.

REFERENCES

Aumann, R. J. (1987), “Correlated equilibrium as an expression of Bayesian rationality.” *Econometrica*, 55, 1–18. [4]

Peck, J. (1994), “Competition in transactions mechanisms: The emergence of competition.” Unpublished Manuscript, Ohio State University. [4]

Enelow, J., and M. Hinich, eds. (1990), *Advances in the Spatial Theory of Voting*. Cambridge University Press, Cambridge, U.K. [4]

Wittman, D. (1990), “Spatial strategies when candidates have policy preferences.” In *Advances in the Spatial Theory of Voting* (M. Hinich and J. Enelow, eds.), 66–98, Cambridge University Press, Cambridge, U.K. [4]