

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. We recommend 3–8 keywords

KEYWORDS: First keyword, second keyword, third keyword.

1. INTRODUCTION

This template helps you to create a properly formatted L^AT_EX 2_ε 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; underlining is generally banned (except for exceptional cases). Please do not use any L^AT_EX 2_ε or T_EX commands that affect the layout or formatting of your document (i.e., commands like `\textheight`, `\textwidth`, etc.). Note that the Introduction should be Section 1 it should not immediately follow the abstract without a heading.

First Author: first@somewhere.com

Second Author: second@somewhere.com

Third Author: third@somewhere.com

We thank four anonymous referees. The Editor should not be thanked anonymously or by name in this footnote, or elsewhere in the paper. The first author gratefully acknowledges financial support from the National Science Foundation through Grant XXX-0000000.

2. SECTION HEADINGS

Here are some subsections:

2.1. A Subsection

Regular text.

2.1.1. A Subsubsection

Regular text.

Paragraph heading If you want to add mini-headings for paragraphs without numbers please use `\paragraph*{ }`.

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, two levels deep.

- (i) 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.
- (ii) 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.

- (iii) This is the third item of the list.

1 Do not use (1), (2), etc. for items in order to avoid confusion with numbered equations. 1

2 2

3 3.2. *Punctuation* 3

4 Avoid unnecessary hyphenation; many hyphenated words can be treated as one or two 4
 5 words. Dashes come in three sizes: a hyphen, an intra-word dash like “*U*-statistics” or “the 5
 6 time-homogeneous model”; a medium dash (also called an “en-dash”) for number ranges or 6
 7 between two equal entities like “1–2” or “Cauchy–Schwarz inequality”; and a punctuation 7
 8 dash (also called an “em-dash”) in place of a comma, semicolon, colon or parentheses— 8
 9 like this. 9

10 Generating an ellipsis ... with the right spacing around the periods requires using 10
 11 `\ldots`. 11

12 12

13 3.3. *Citation* 13

14 Only include in the reference list entries for which there are text citations, and make sure 14
 15 all citations are included in the reference list. Simple author and year cite: [Aumann \(1987\)](#). 15
 16 Multiple bibliography items cite: [Peck \(1994\)](#), [Enelow and Hinich \(1990\)](#), [Wittman \(1990\)](#), 16
 17 [Cahuc, Postel-Vinay and Robin \(2006\)](#). Author only cite: [Wittman](#). Year only cite: [\(1990\)](#). 17
 18 Citing bibliography with object [Aumann \(1987, Theorem 1\)](#). Citing within brackets is done 18
 19 with the same commands (e.g., [Peck \(1994\)](#), [Enelow and Hinich \(1990\)](#), [Wittman \(1990\)](#)). 19

20 20

21 4. FONTS 21

22 Please use text fonts in text mode, e.g.: 22

23 **Roman** `\textrm{ }` 23

24 **Italic** `\textit{ }` 24

25 **Bold** `\textbf{ }` 25

26 **SMALL CAPS** `\textsc{ }` 26

27 **Sans serif** `\textsf{ }` 27

28 **Typewriter** `\texttt{ }` 28

29 Please use mathematical fonts in mathematical mode, e.g.: 29

30 **ABCabc123** `\mathrm{ }` 30

31 **ABCabc123** `\mathit{ }` 31

32 **ABCabc123** `\mathbf{ }` 32

1	$\boldsymbol{ABCabc123\alpha\beta\gamma}$ <code>\boldsymbol{}</code>	1
2	\mathcal{ABC} <code>\mathcal{}</code>	2
3	\mathbb{ABC} <code>\mathbb{}</code>	3
4	ABCabc123 <code>\text{}</code>	4
5	ABCabc123 <code>\texttt{}</code>	5
6	$\frac{\mathfrak{ABCabc123}}{}$ <code>\mathfrak{}</code>	6
7	Note that <code>\mathcal{}</code> , <code>\mathbb{}</code> belongs to capital letters-only font typefaces.	7
8		8
9	5. NOTES	9
10	Footnotes ¹ pose no problems in text. ² Please do not add footnotes on math.	10
11		11
12	6. NUMBERS	12
13	A decimal point always should be preceded by a whole number and never should be left	13
14	“naked.” Decimal expressions of numbers less than 1 always should be preceded by a zero	14
15	(0) to enhance the visibility of the decimal. For example, .3 should be 0.3. This applies to	15
16	text, tables, and figures.	16
17		17
18	7. 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 paragraph indentation. It	20
21	should be coded between <code>\begin{quote}</code> and <code>\end{quote}</code> .	21
22	and longer ones.	22
23	This is a longer quotation. It consists of two paragraphs of text. The beginning of each paragraph is	23
24	indicated by an extra indentation.	24
25	This is the second paragraph of the quotation. It is just as dull as the first paragraph. It should be coded	25
26	between <code>\begin{quotation}</code> and <code>\end{quotation}</code> .	26
27		27
28	8. ENVIRONMENTS	28
29	Please use regular counters (Theorem 1) as opposed to counters belonging on sections	29
30	(Theorem 3.1). Results (Lemmas, Propositions, Theorems, Claims) can be on the same or	30
31	different counters.	31
32	¹ This is an example of a footnote.	32
	² Note that footnote number is after punctuation.	

8.1. *Examples for plain-Style Environments*

THEOREM 1: *This is the body of Theorem 1.*

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

Q.E.D.

CLAIM 1: *This is the body of Claim 1.*

AXIOM 1: *This is the body of Axiom 1. Axioms should be on a different counter from results (e.g. Theorems, Propositions, Lemmas).*

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.

Q.E.D.

8.2. *Examples for definition-Style Environments*

The following environments can be numbered or not; if numbered, they should be on different counters from results.

DEFINITION 1: This is the body of Definition 1. Definitions should be on a different counter from results (e.g. Theorems, Propositions, Lemmas).

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

REMARK 1: This is the body of the remark.

9. EQUATIONS AND THE LIKE

Only number equations to which there is a subsequent reference. See equations below (1)–(7). Please punctuate equations as you would punctuate a sentence, that is add a comma between two equations and add a period if it ends a sentence.

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, note that the equation number is on the last line:

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

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

10. TABLES AND FIGURES

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

Sample of cross-reference to figure: Figure 1 shows that it is not easy to get something on paper. Note that figures will be in grayscale in the printed version.

TABLE I
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.

TABLE II
SAMPLE POSTERIOR ESTIMATES FOR EACH MODEL.

Model	Parameter	Mean	Std. Dev.	Quantile		
				2.5%	50%	97.5%
Model 0	β_0	-12.29	2.29	-18.04	-11.99	-8.56
	β_1	0.10	0.07	-0.05	0.10	0.26
	β_2	0.01	0.09	-0.22	0.02	0.16
Model 1	β_0	-4.58	3.04	-11.00	-4.44	1.06
	β_1	0.79	0.21	0.38	0.78	1.20
	β_2	-0.28	0.10	-0.48	-0.28	-0.07
Model 2	β_0	-11.85	2.24	-17.34	-11.60	-7.85
	β_1	0.73	0.21	0.32	0.73	1.16
	β_2	-0.60	0.14	-0.88	-0.60	-0.34
	β_3	0.22	0.17	-0.10	0.22	0.55

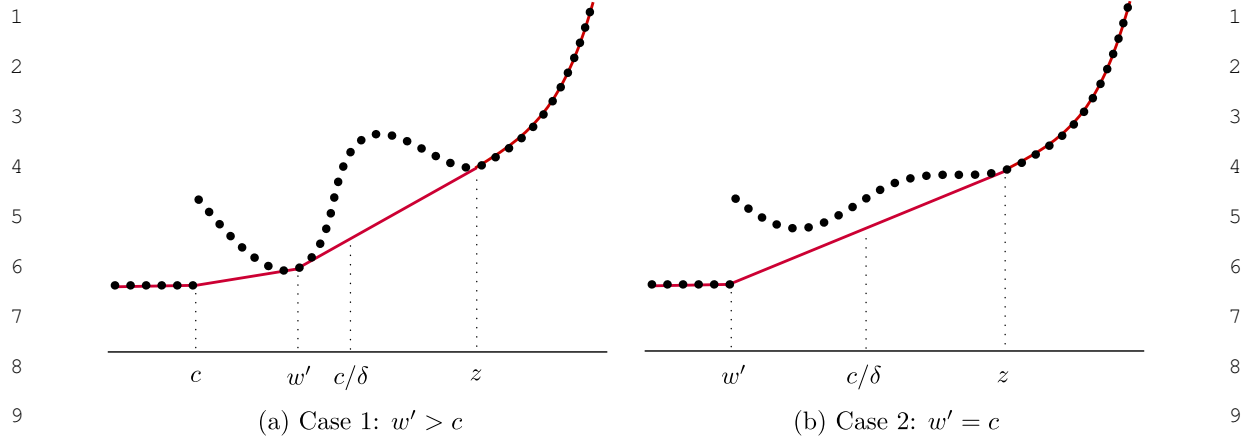


FIGURE 1.—The dotted lines show the values of $u(x)$ for x in the discrete support of F . The solid lines show $u_{\text{conv}}(x)$.

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](#).

APPENDIX A: TITLE OF THE FIRST APPENDIX

If there are more than one appendix, then please refer to it as ... in Appendix [A](#), Appendix [B](#), etc.

APPENDIX B: TITLE OF THE SECOND APPENDIX

B.1. *First Subsection of Appendix [B](#)*

If your appendix is long, make sure to divide it into subsections and refer to them in text. 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.1](#). Note that it is better to refer to Appendix [B.1](#) as opposed to Appendix [B](#), because it is easier for the reader to locate the necessary place.

REFERENCES

- AUMANN, ROBERT (1987): “Correlated Equilibrium as an Expression of Bayesian Rationality,” *Econometrica*, 55 (1), 1–18. [3]
- PECK, JAMES (1994): “Competition in Transactions Mechanisms: The Emergence of Competition,” Unpublished Manuscript, Ohio State University. [3]
- ENELOW, JAMES, AND MELVIN HINICH, eds. (1990): *Advances in the Spatial Theory of Voting*. Cambridge, U.K.: Cambridge University Press. [3]
- WITTMAN, DONALD (1990): “Spatial Strategies when Candidates Have Policy Preferences,” in *Advances in the Spatial Theory of Voting*, ed. by M. Hinich and J. Enelow. Cambridge, U.K.: Cambridge University Press, 66–98. [3]
- CAHUC, PIERRE, FABIEN POSTEL-VINAY, AND JEAN-MARC ROBIN (2006): “Supplement to ‘Wage Bargaining with On-the-Job Search: Theory and Evidence’,” *Econometrica Supplementary Material*, 74. [3]

Co-editor [Name Surname; will be inserted later] handled this manuscript.