Submitted to *Quantitative Economics*

1		1
2	A sample article title	2
3		3
4	FIRST AUTHOR	4
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6	SECOND AUTHOR	6
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8	THIRD AUTHOR	8
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10	The abstract should summarize the contents of the paper. It should be	10
11	clear, descriptive, self-explanatory and not longer than 150 words. It	11
12	should also be suitable for publication in abstracting services. Please	12
13	avoid using math formulas as much as possible. We recommend 3–8	13
14	keywords and up to 3 JEL codes.	14
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16	KEYWORDS. First keyword, Second keyword, Third keyword.	16
17	JEL CLASSIFICATION. First JEL, Second JEL.	17
18 19	1. Introduction	18 19
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	This template helps you to create a properly formatted $\LaTeX 2_{arepsilon}$ manuscript. Pre-	
21	pare your paper in the same style as used in this sample .pdf file. Try to avoid	21
22	excessive use of italics and bold face; underlining is generally banned (except for	22
23	exceptional cases). Please do not use any ET_EX or T_EX commands that affect	23
24	the layout or formatting of your document (i.e., commands like \t extheight,	24
25		25
26	First Author: first@somewhere.com	26
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28	Third Author: third@somewhere.com	28
29	We thank four anonymous referees. The Editor should not be thanked anonymously or by name in	29
30	this footnote, or elsewhere in the paper. The first author gratefully acknowledges financial support	30
31	from the National Science Foundation through Grant XXX-0000000.	31
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This is the first item of an enumerated list that is nested within. 2. This is the second item of the inner list. $\mathbb{E}T_{E}X$ 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.

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

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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 Ustatistics or "the time-homogeneous model"; a medium dash (also called an "endash") 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 \ldots\ with the right spacing around the periods requires using \ldots.

Theoretical Economics is using longer spaces after periods, please add \ after periods that are not at the end of a sentence, in order to have regular spaces. For example, if there is an abbreviation (e.g., econ.\ theory) which is not the end of an article but appears in a middle of a sentence, please code it as (e.g., econ. \ theory).

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3.3 Citation

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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: \citet{b1}. Multiple bibliography items cite: \citet{b2,b3,b4,b5}. Author only cite: \citeauthor{b4}. Year only cite: (\citeyear{b4}). Citing bibliography with object \citet[Theorem 1]{b1}. Citing within brackets is done with the same commands (e.g., \citet{b2,b3,b4}).

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Footnotes¹ pose no problems in text.² Please do not add footnotes on math.

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3.6 Numbers

A decimal point always should be preceded by a whole number and never should be left "naked." Decimal expressions of numbers less than 1 always should be preceded by a zero (0) to enhance the visibility of the decimal. For example, .3 should be 0.3. This applies to text, tables, and figures.

3.7 Equations and the like

Only number equations to which there is a subsequent reference. See equations below (\ref{ccs})-(\ref{e7}). 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:

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

and

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

Equation arrays:

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

$$\frac{dX}{dt} = \mu X,\tag{4}$$

$$\frac{dP}{dt} = \pi X - k_h P,\tag{5}$$

¹This is an example of a footnote.

²Note that footnote number is after punctuation.

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$$\frac{dV}{dt} = F. ag{6}$$

One long equation:

$$\mu_{\text{normal}} = \mu_x \frac{C_s}{K_x C_x + C_s}$$

$$= \mu_{\text{normal}} - Y_{x/s} (1 - H(C_s)) (m_s + \pi/Y_{p/s})$$

$$= \mu_{\text{normal}} / Y_{x/s} + H(C_s)(m_s + \pi / Y_{p/s}). \tag{7}$$

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

3.8 Tables and figures

Cross-references to labeled tables: As you can see in Table~\ref{sphericcase} and also in Table~\ref{parset}.

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

\begin{figure} \includegraphics{figure_sample} \caption{The dotted lines show 22 the values of u(x) for x in the discrete support of F. The solid lines show $u_{conv}(x)$. \label{penG} \end{figure}

4. Environments

Please use regular counters (Theorem 1) as opposed to counters belonging on sections (Theorem 3.1). Results (Lemmas, Propositions, Theorems, Claims) can be on the same or different counters.

4.1 Examples for \texttt{plain}-style environments

\begin{theorem}\label{th1} This is the body of Theorem \ref{th1}. \end{theorem}

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.

TABLE 2. Sample posterior estimates for each model.

				(Quantile		
Model	Parameter	Mean	Std. Dev.	2.5%	50%	97.5%	
Model 0	eta_0	-12.29	2.29	-18.04	-11.99	-8.56	
	eta_1	0.10	0.07	-0.05	0.10	0.26	
	eta_2	0.01	0.09	-0.22	0.02	0.16	
Model 1	eta_0	-4.58	3.04	-11.00	-4.44	1.00	
	eta_1	0.79	0.21	0.38	0.78	1.20	
	eta_2	-0.28	0.10	-0.48	-0.28	-0.0°	
Model 2	eta_0	-11.85	2.24	-17.34	-11.60	-7.85	
	eta_1	0.73	0.21	0.32	0.73	1.16	
	eta_2	-0.60	0.14	-0.88	-0.60	-0.34	
	eta_3	0.22	0.17	-0.10	0.22	0.5	

\begin{proof} This is the body of the proof of the theorem above. \end{proof} \begin{claim}\label{cl1} This is the body of Claim \ref{cl1}. \end{claim}

1	\begin{axiom}\label{ax1} This is the body of Axiom \ref{ax1}. Axioms should	1
2	be on a different counter from results (e.g. Theorems, Propositions, Lemmas).	2
3	\end{axiom}	3
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8	\end{lemma}	8
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14	4.2 Examples for \texttt{remark}-style environments	14
15	The following environments can be numbered or not; if numbered, they should	15
16	be on different counters from results.	16
17	\begin{definition}\label{de1} This is the body of Definition \ref{de1}. Defini-	17
18	tions should be on a different counter from results (e.g. Theorems, Propositions,	18
19	Lemmas). \end{definition}	19
20	\begin{example} This is the body of the example. Example is unnumbered be-	20
21	cause we used \verb \newtheorem* instead of \verb \newtheorem . example	²¹
22	\begin{remark} This is the body of the remark. \end{remark}	22
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24	5. QUOTATIONS	24
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26	Text is displayed by indenting it from the left margin. There are short quotations	26
27	\begin{quote} This is a short quotation. It consists of a single paragraph of text.	27
28	There is no paragraph indentation. It should be coded between \begin{quote}	28
29	<pre>and \end{quote}. \end{quote}</pre>	29
30	and longer ones.	30
31	\begin{quotation} This is a longer quotation. It consists of two paragraphs of	31
32	text. The beginning of each paragraph is indicated by an extra indentation.	32

	Submitted to <i>Quantitative Economics</i> A sample running head title 9	
1	This is the second paragraph of the quotation. It is just as dull as the first para-	1
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5	one appendix, then please refer to it in text as in the $\label{lem:please} \ \ \text{Appendix}\}.$	5
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7	.1 Title of the first appendix {#appA}	7
8	If there are more than one appendix, then please refer to it as in Appendix	8
9	\ref{appA}, Appendix \ref{appB}, etc.	9
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11	.2 Title of the second appendix {#appB}	11
12	.2.1 <i>First subsection of Appendix</i> \ref{appB} {#appB1} If your appendix is long,	second paragraph of the quotation. It is just as dull as the first paralled be coded between \begin{quotation} and \end{quotation}.? on} 3 s should be provided in {appendix} environment. If there is only 4 t, then please refer to it in text as in the \hyperref[appn]{Appendix}. 5 .1 Title of the first appendix {#appA} 7 more than one appendix, then please refer to it as in Appendix ppendix \ref{appB}, etc. 9 .2 Title of the second appendix {#appB} 11 psection of Appendix \ref{appB} {#appB1} If your appendix is long, divide it into subsections and refer to them in text. Use the standard ands for headings in {appendix}. Headings and other objects will 12 automatically. 16 $\mathcal{P} = (j_{k,1}, j_{k,2}, \dots, j_{k,m(k)}). \qquad (8)$ 18 cross-reference to formula (\ref{appB1} as opposed to Appendix ecause it is easier for the reader to locate the necessary place. 17 22 23 24 25 26 27 28 29 30 31
13	make sure to divide it into subsections and refer to them in text. Use the standard	
14	graph. It should be coded between \begin{quotation} and \end{quotation}.2 \end{quotation} \ appendices should be provided in {appendix} environment. If there is only one appendix, then please refer to it in text as in the \hyperref[appn]{Appendix}. \	
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22	(ref{appb}), because it is easier for the reader to locate the necessary place.	22
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