Example Paper

Author One[*] and Author Two[†]

October 5, 2023

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JEL-Classification: ...

Keywords: ...

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1 — Introduction

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See below for Theorem 1, for the regression specification (1), and for Table 2, appendix Table A1, and citation Eigen (1971).

Colors: Navy, Teal, Purple, Cranberry, Orange

2 — Section Header

2.1. Math Commands

Kyle: I'm including this comment for coauthors. If I switch above to `togglefalse`, this will dissapear

Credit to https://pascalmichaillat.org/d3/ for his math commands package

The command \E[optional]{optional}{optional} now lets you specify subscript, the inner term, and a second bracket to do conditional expectation. All three are optional and \expec is a alias.

$$\mathbb{E} \quad \mathbb{E}_i \quad \mathbb{E}[X_i] \quad \mathbb{E}_i[X_i] \quad \mathbb{E}[X_i \mid n] \quad \mathbb{E}_i[X_i \mid n]$$

\P, \prob, \cov, and \var work the same way too:

$$\mathbb{P} \quad \mathbb{P}_i \quad \mathbb{P}[X_i] \quad \mathbb{P}_i[D_i] \quad \mathbb{P}\big[\bar{X}_n > \bar{X} \mid \mu = \mu_0\big] \quad \mathbb{P}_{\mathcal{F}}[X_i \mid D_i = 1]$$

$$\operatorname{cov}(X_n, Y_n) \quad \operatorname{var}_i(\bar{X}_n)$$

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1. This is an example footnote.

\one does an indicator. Same as above, but no conditional:

$$1\left[X_i > 0\right]$$

We have \aslim, \plim, and \convd for convergence symbols. There's also \iid. Examples:

$$\bar{x}_n \overset{as}{\to} \mu \quad \bar{x}_n \overset{p}{\to} \mu \quad \bar{x}_n \overset{d}{\to} N(0,1)$$

$$X_i \overset{iid}{\sim} N(0,1)$$

To wrap things in automatically scaling wrappers, can use \bp for parenthesis, \bc for curly braces, and \bs for square brackets:

$$(y_i) \quad \{y_i\} \quad [y_i]$$

Similar to expectations, I have 'upgraded' \min, \inf, \liminf, \max, \sup, and \limsup commands to use the optional '[]' for subscript:

$$\min_i\{x_i\} \quad \inf_i\{x_i\} \quad \liminf_{n\to\infty}\{x_i\}$$

$$\max_i\{x_i\} \quad \sup_i\{x_i\} \quad \limsup_{n\to\infty}\{x_i\}$$

Theorem environments look nice. There are the following environments and their numbering resets automatically for appendices: theorem, proposition, assumption, example, lemma, corollary, definition, remark

Theorem 1 (Example Theorem). This is an example theorem

$$\hat{\beta} = \frac{\sum_\ell e_\ell z_\ell y_\ell^\perp}{\sum_\ell e_\ell z_\ell x_\ell^\perp}$$

Jibberish math to show off symbols:

$$y = f(X) + \varepsilon = X\beta + \psi_i + \nu_t + w_{i,t} + \varepsilon_{i,t} \tag{1}$$

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Table 1 — Table Too Wide (adjustbox)

Year	N	% Urban	Market Access		Urban Weekly Wage		Nonurban Weekly Wage	
			Mean	SD	Mean	SD	Mean	SD
1940	16,875,829	0.66	10,708.21	14,819.55	33.22	19.66	25.23	16.56
1950	67,790	0.69	23,166.06	26,600.85	70.05	32.70	58.27	29.24
1960	1,338,491	0.66	40,328.17	45,385.47	124.11	77.55	99.37	59.01
1970	277,951	0.75	65,373.07	68,048.88	205.42	137.80	165.61	104.49
1980	1,907,836	0.73	73,223.43	74,906.62	408.83	284.44	340.82	220.68
1990	2,257,874	0.68	224,312.50	168,933.04	711.77	574.58	550.26	392.90
2000	2,581,741	0.73	288,195.77	199,100.92	1,010.36	1,022.77	754.10	649.57
2010	530,359	0.76	273,754.31	195,220.04	1,306.70	1,281.34	972.40	817.94

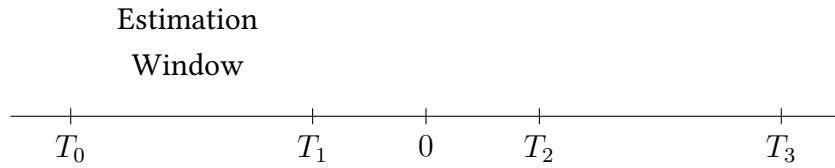*Notes.* Weekly wage is reported in 2015 $.

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Figure 1 — Event-timing

Estimation
Window

$$T_0 \qquad\qquad T_1 \quad 0 \quad T_2 \qquad\qquad T_3$$

Notes: This is an example figure in the paper

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Table 2 — Table Too Narrow (tabularx)

Country	Population		Change (%)
	2016	2017	
China	1,403,500,365	1,409,517,397	+0.4%
India	1,324,171,354	1,339,180,127	+1.1%
United States	322,179,605	324,459,463	+0.7%
Indonesia	261,115,456	263,991,379	+1.1%
Brazil	207,652,865	209,288,278	+0.8%
Pakistan	193,203,476	197,015,955	+2.0%
Nigeria	185,989,640	190,886,311	+2.6%
Bangladesh	162,951,560	164,669,751	+1.1%
Russia	146,864,513	143,989,754	-2.0%
Mexico	127,540,423	129,163,276	+1.3%

Source: Wikipedia.

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References

Eigen, Manfred. 1971. "Selforganization of matter and the evolution of biological macromolecules." *Naturwissenschaften* 58 (10): 465–523.

A — Additional Results

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A.1. Regression Results

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Table A1 — Regression Results

	Dependent variable: Overall Rating	
	(1)	(2)
Handling of Complaints	0.692*** (0.149)	0.682*** (0.129)
No Special Privileges	−0.104 (0.135)	−0.103 (0.129)
Opportunity to Learn	0.249 (0.160)	0.238* (0.139)
Performance-Based Raises	−0.033 (0.202)	
Too Critical	0.015 (0.147)	
Advancement	11.011 (11.704)	11.258 (7.318)
Observations	30	30
Adjusted R^2	0.656	0.682

Notes. * p< 0.1; ** p< 0.05; *** p< 0.01

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