Comprehensive Test of the latexlog Package

This document tests all latexlog subcommands and options.

1 Introduction (Numbered Section)

This is a numbered section created with the **section** subcommand.

Background (Unnumbered Section)

This is an unnumbered section created with the **sections** subcommand. Note that this section does not have a number in the output.

1.1 A Subsection

This is a subsection created with the **subsection** subcommand.

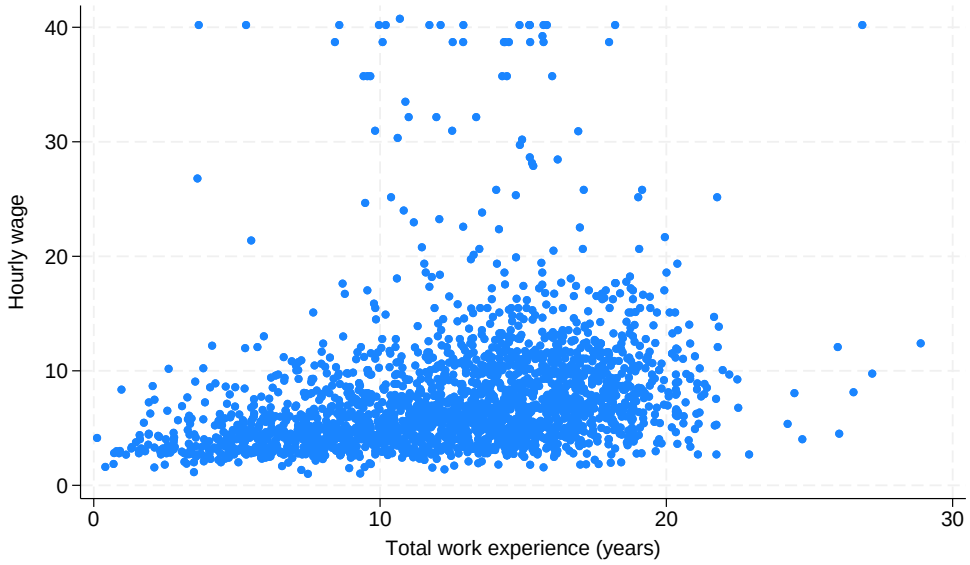
1.2 Test Custom Command defined in predocopen

Note: This note uses the custom command defined in predocopen.

2 Figure Tests

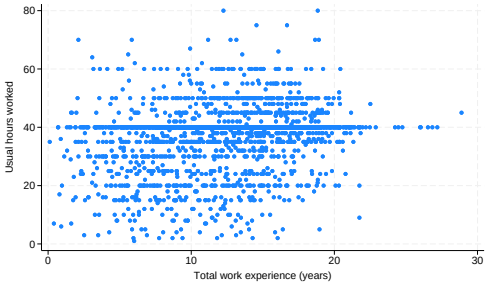
2.1 Figure with Float Environment

Figure 1: Wage vs. Experience - Float Environment



Notes: Based on nlsw88.dta data

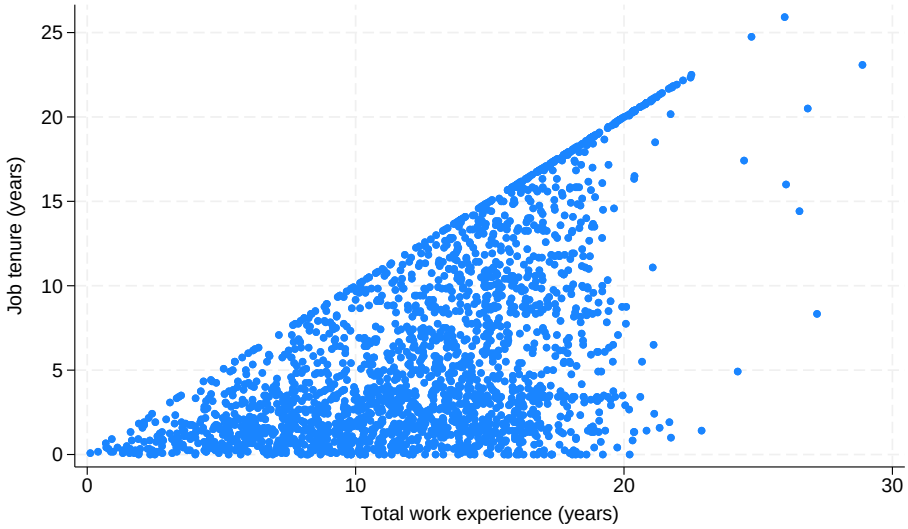
2.2 Figure Inline (No Float)



The following figure is inline (no float environment):

2.3 Figure with Centered Notes

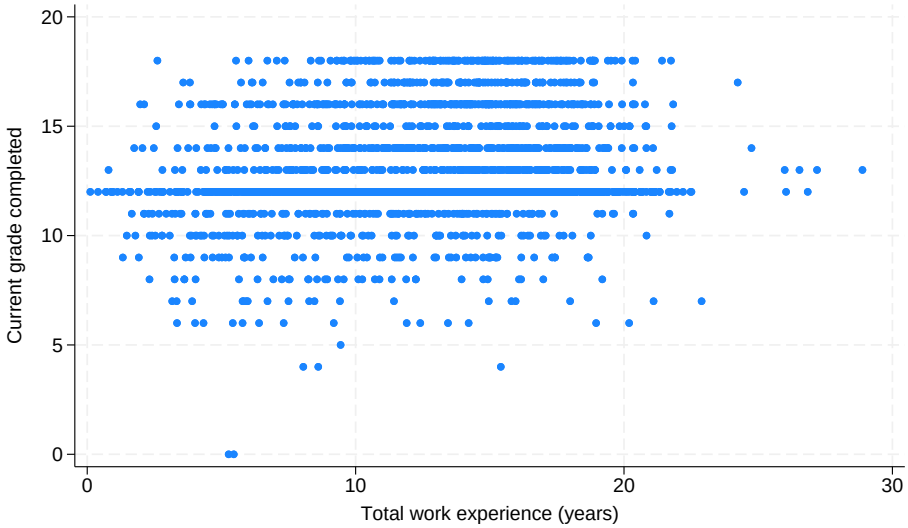
Figure 2: Tenure vs. Experience



Notes: These notes are centered below the figure

2.4 Figure with Title in Tabular

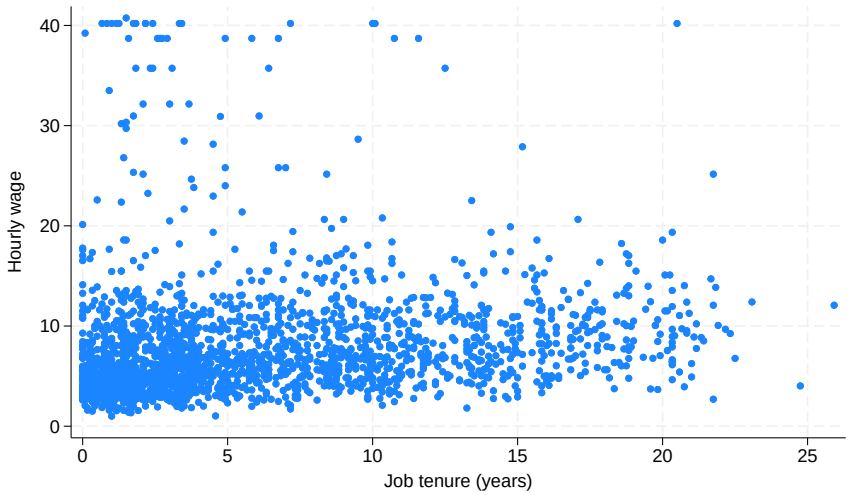
Figure 3: Grade vs. Experience - Title in Tabular Format



Notes: Using title tabular sub-option

2.5 Figure with EOL

Figure 4: Wage vs. Tenure with EOL



3 Subfigure Tests

3.1 Basic Subfigures

Figure 5: Four Variables vs. Experience - Basic Subfigures

(a) Hourly wage vs. experience

(b) Usual hours worked vs. experience

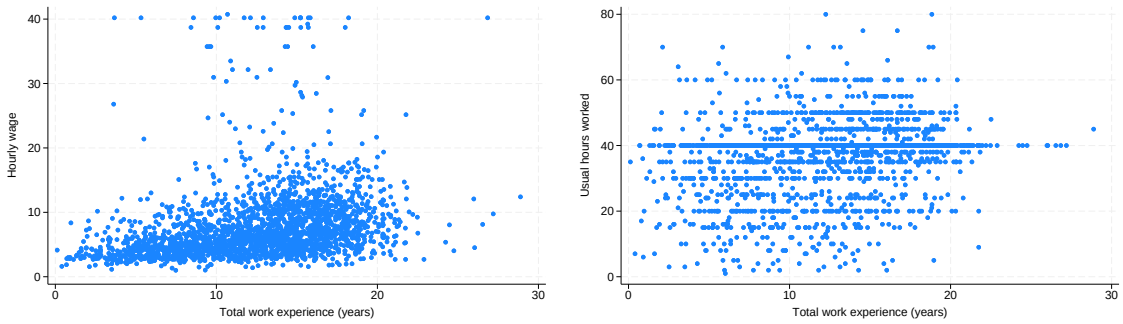
(c) Job tenure (years) vs. experience

(d) Current grade completed vs. experience

Notes: Based on nlsw88.dta data

3.2 Subfigures with Centered Notes

Figure 6: Two Variables - Centered Notes



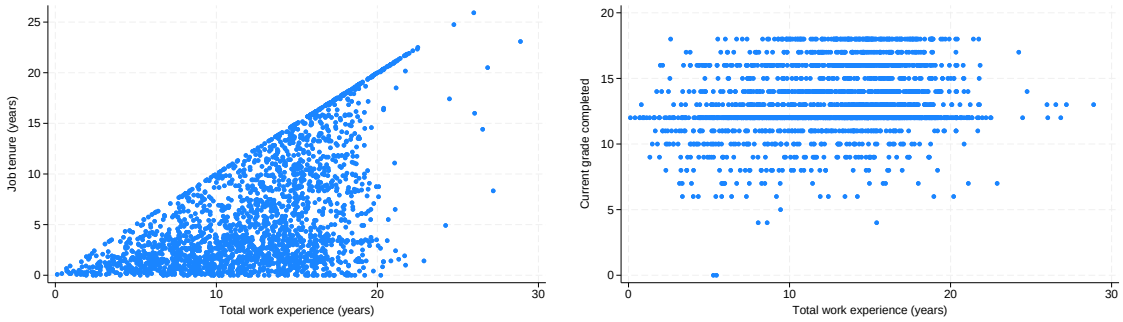
(a) Hourly wage

(b) Usual hours worked

Notes: These notes are centered

3.3 Subfigures with Title in Tabular

Figure 7: Subfigure Example with Tabular Title - This is particularly useful for Figures with very long titles so that the title breaks nicely over multiple lines



(a) Job tenure (years)

(b) Current grade completed

Notes: Title uses tabular formatting

3.4 Subfigures with EOL

Figure 8: Two-Row Subfigure Layout Using EOL

(a) Wage - Row 1

(b) Hours - Row 1

(c) Tenure - Row 2

(d) Grade - Row 2

Notes: Using eol to create two rows

4 Table and Collection Tests

4.1 Basic Table Export

Table 1: Occupation by Union Status - Basic

	Union worker	
	Nonunion	Union
Occupation		
Professional/Technical	208	66
Managers/Admin	204	19
Sales	468	145
Clerical/Unskilled	70	5
Craftsmen	40	10
Operatives	128	83
Transport	19	1
Laborers	171	35
Farmers	1	
Farm laborers	6	1
Service	7	5
Household workers		1
Other	87	89

Notes: Command: table occupation union, nototals

4.2 Table with Custom Font Size

Table 2: Race by Marital Status - Font Size 10

	Married	
	Single	Married
Race		
White	487	1,150
Black	309	274
Other	8	18

Notes: Using fontsize(10) option

4.3 Table in Landscape Mode and using Tabularx (Auto-width Columns)

Table 3: Occupation by Industry - Landscape Mode and using Tabularx (Auto-width Columns)

	Industry											
	Ag/ Forestry/ Fisheries	Mining	Const-ruction	Manuf-acturing	Transport/ Comm/ Utility	Wholesale/ Retail trade	Finance/ Ins/ Real estate	Business/ Repair svc	Personal services	Enter-tainm-ent/Rec svc	Profe-ssional services	Public admin-istration
Occupation												
Professional/Technical	1	1	1	24	4	7	8	13	2	2	208	45
Managers/Admin	1		5	37	9	65	56	9	5	2	56	18
Sales	6	3	16	73	49	113	95	39	14	4	213	100
Clerical/Unskilled	1		1	13	2	50	29	4	1	1		
Craftsmen				29	5	10		1	1		5	2
Operatives	2		2	185	12	23		1	12	1	5	1
Transport									28			
Laborers			1	1	6	58	4	16	33	6	155	5
Farmers	1											
Farm laborers	5					2						
Service			3	5	2	2		2		1		1
Household workers												2
Other						2		1			182	1

Notes: This table is displayed in landscape orientation and uses tabularx to automatically wrap the columns

4.4 Regression Table with etable

Table 4: Regression Results - Three Models

	logwage	logwage	logwage
Total work experience (years)	0.048	0.039	0.030
	(0.002)	(0.002)	(0.003)
Current grade completed		0.081	0.081
		(0.004)	(0.004)
Married		-0.007	-0.008
		(0.022)	(0.022)
Job tenure (years)			0.012
			(0.002)
Intercept	1.267	0.325	0.370
	(0.032)	(0.060)	(0.060)
Number of observations	2246	2244	2229
Adjusted R-squared	0.15	0.27	0.27

Notes: Dependent variable: log(wage). Standard errors in parentheses.

4.5 Integration with esttab

The following table uses esttab to append directly to the log file:

Table 5: Regression Table via esttab (direct append)

	(1) logwage	(2) logwage
ttl_exp	0.0480***	0.0393***
	(19.76)	(17.11)
grade		0.0806***
		(19.18)
_cons	1.267***	0.321***
	(39.07)	(5.55)
N	2246	2244

t statistics in parentheses

* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

5 Document Conclusion

This concludes the comprehensive test of the latexlog package. All subcommands and major options have been exercised.

End of test document.