

# 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.

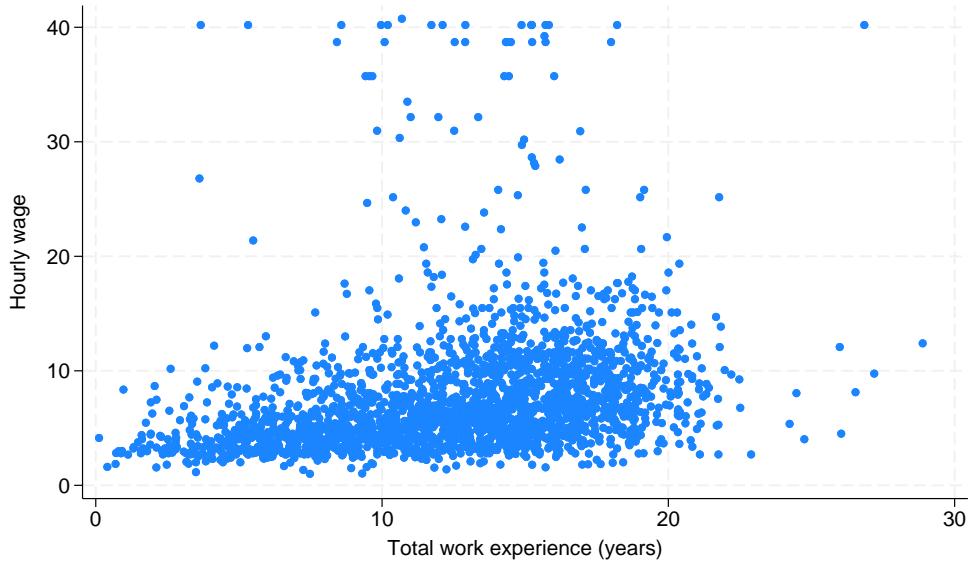
### 1.2 Test Custom Command defined in predocopen

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

## 2 Figure Tests

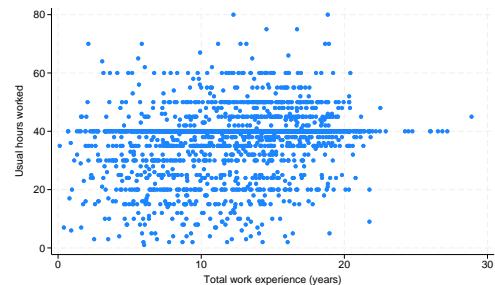
### 2.1 Figure with Float Environment

Figure 1: Wage vs. Experience - Float Environment



**Notes:** Based on nlsw88.dta data

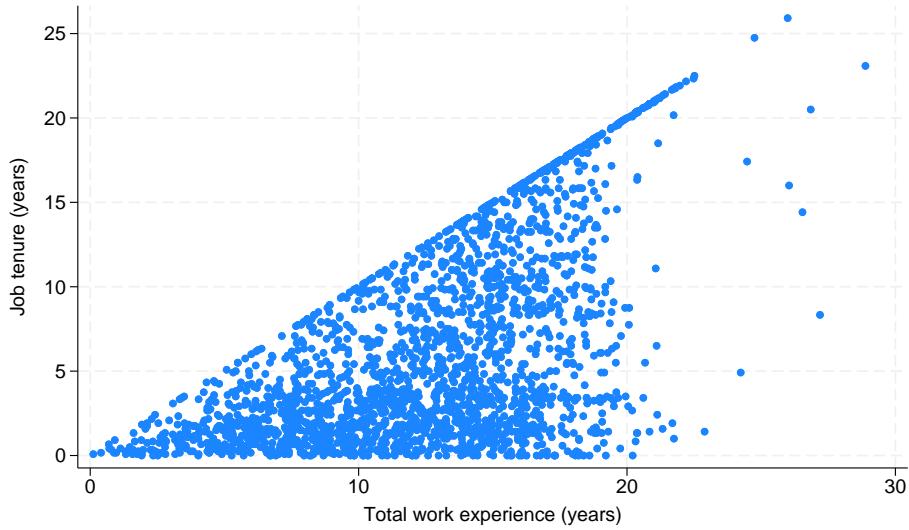
### 2.2 Figure Inline (No Float)



The following figure is inline (no float environment):

## 2.3 Figure with Centered Notes

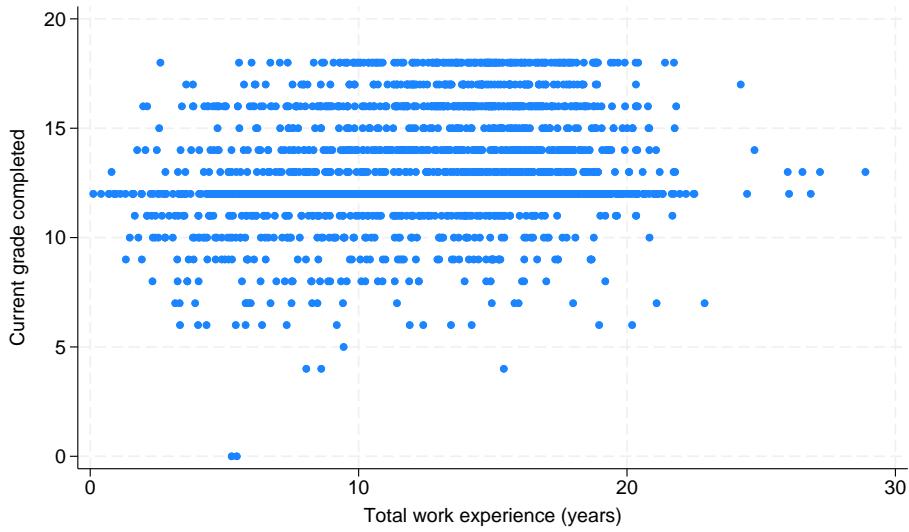
Figure 2: Tenure vs. Experience



**Notes:** These notes are centered below the figure

## 2.4 Figure with Title in Tabular

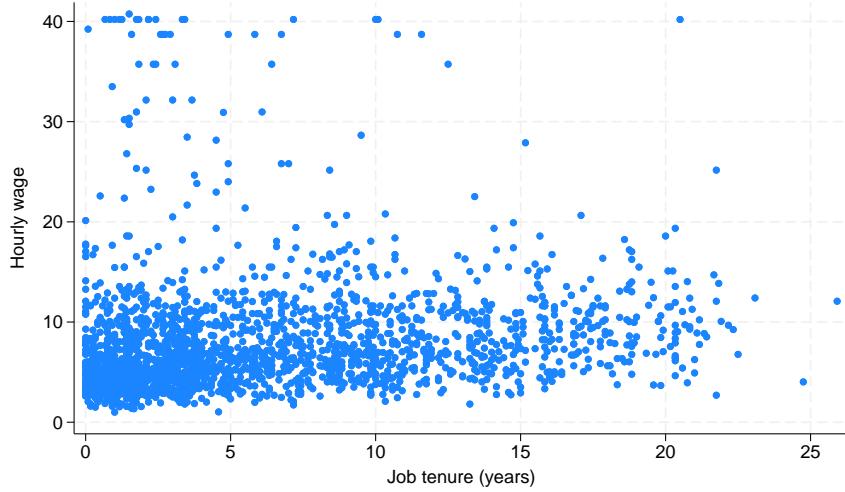
Figure 3: Grade vs. Experience - Title in Tabular Format



**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

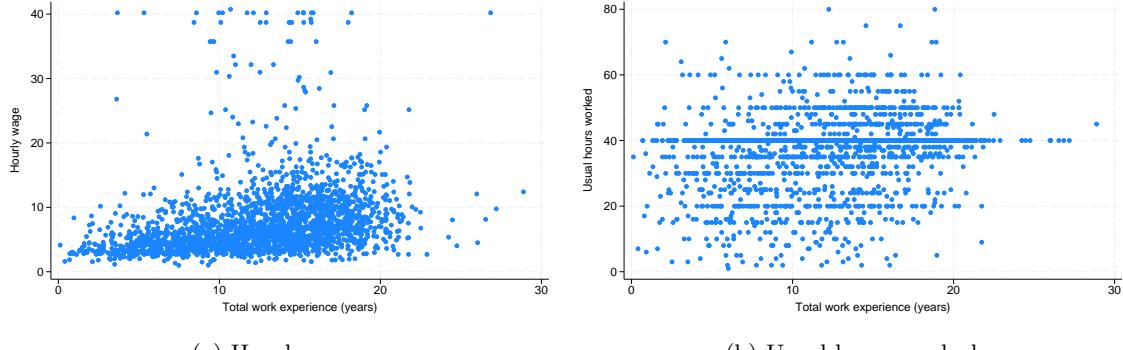
Figure 5: Four Variables vs. Experience - Basic Subfigures



**Notes:** Based on nlsw88.dta data

### 3.2 Subfigures with Centered Notes

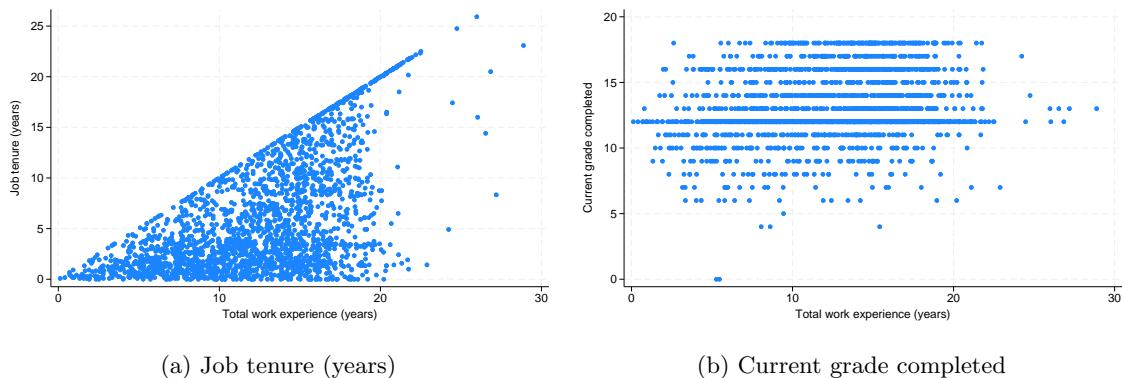
Figure 6: Two Variables - Centered Notes



**Notes:** These notes are centered

### 3.3 Subfigures with Title in Tabular

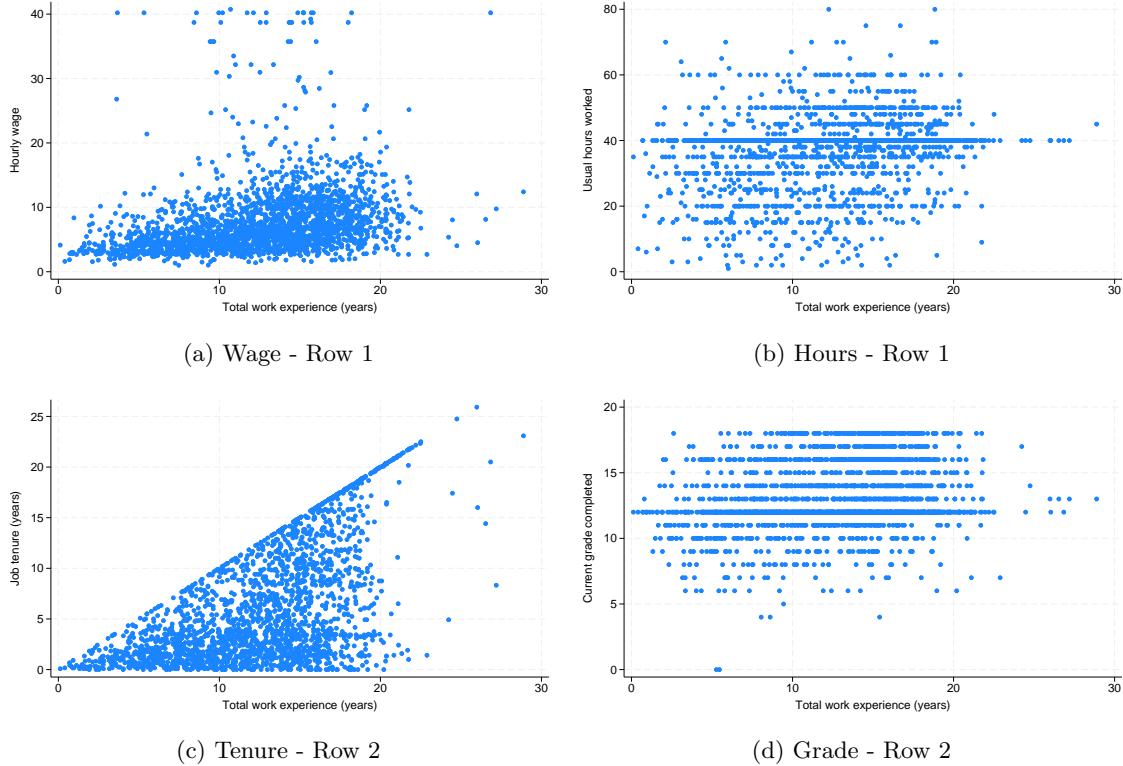
Figure 7: Subfigure Example with Tabular Title - This is particularly useful for Figures with very long titles so that the title breaks nicely over multiple lines



**Notes:** Title uses tabular formatting

### 3.4 Subfigures with EOL

Figure 8: Two-Row Subfigure Layout Using EOL



**Notes:** Using eol to create two rows

## 4 Table and Collection Tests

### 4.1 Basic Table Export

Table 1: Occupation by Union Status - Basic

Occupation	Union worker	
	Nonunion	Union
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

Race	Married	
	Single	Married
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)

	Ag/ Forestry/ Fisheries	Mining	Const- ruction	Manuf- acturing	Industry				Personal services	Enter- tainm- ent/Rec svc	Profe- ssional services	Public admin- istration
Occupation					Transport/ Comm/ Utility	Retail trade	Wholesale/ Ins/ Real estate	Finance/ Svc				
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					2						
Farm laborers	5							2		1		1
Service			3	5	2	2		2				2
Household workers						2		1				1
Other											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 (0.002)	0.039 (0.002)	0.030 (0.003)
Current grade completed		0.081 (0.004)	0.081 (0.004)
Married		-0.007 (0.022)	-0.008 (0.022)
Job tenure (years)			0.012 (0.002)
Intercept	1.267 (0.032)	0.325 (0.060)	0.370 (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)	(2)
	logwage	logwage
ttl_exp	0.0480*** (19.76)	0.0393*** (17.11)
grade		0.0806*** (19.18)
_cons	1.267*** (39.07)	0.321*** (5.55)
<i>N</i>	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.*