

Illustrating the use of the latexlog package

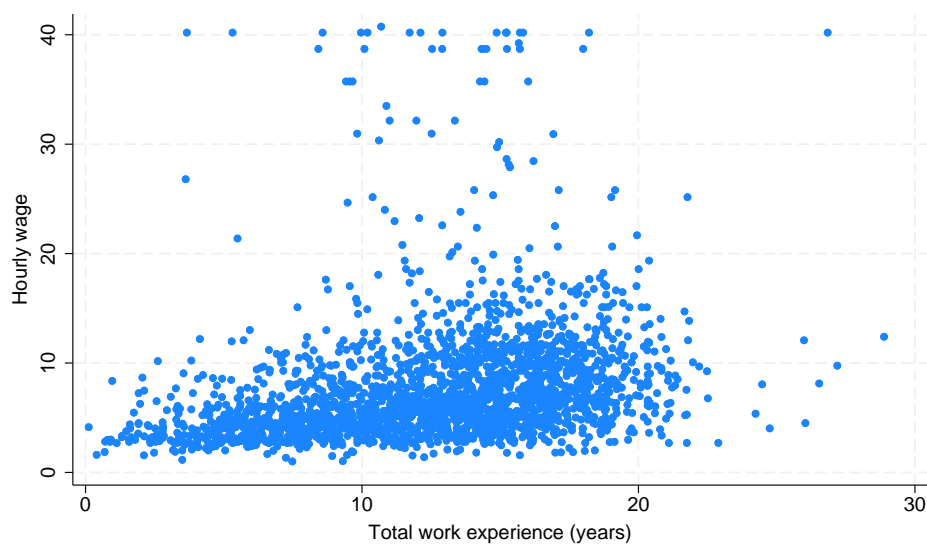
A descriptive analysis of the nlsw88.dta data

1 Introduction

This file provides examples of the use of the latexlog package. The data used in this example is the nlsw88.dta data set, which is a sample data set provided with Stata.

2 Summary Statistics

Figure 1: A scatterplot of wage vs. experience using the addfig subcommand



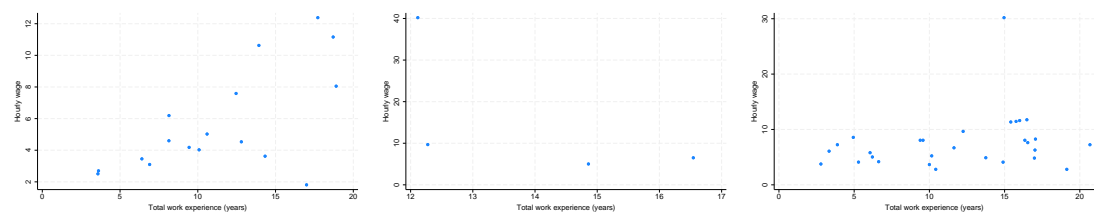
Notes: Based on the nlsw88.dta data

Figure 2: Four Scatterplots of different variables vs. experience using the subfigure subcommand

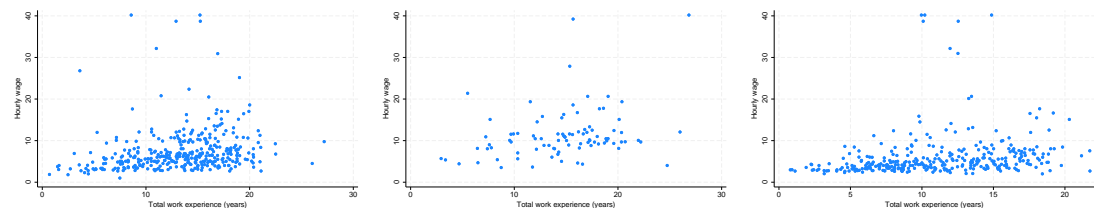


Notes: Based on the nlsw88.dta data

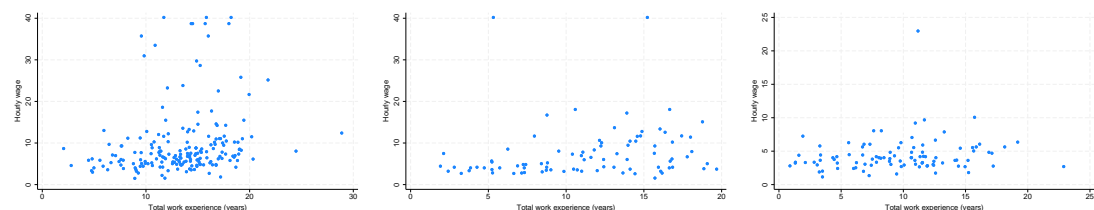
Figure 3: Four Scatterplots of different variables vs. experience using the subfigure subcommand



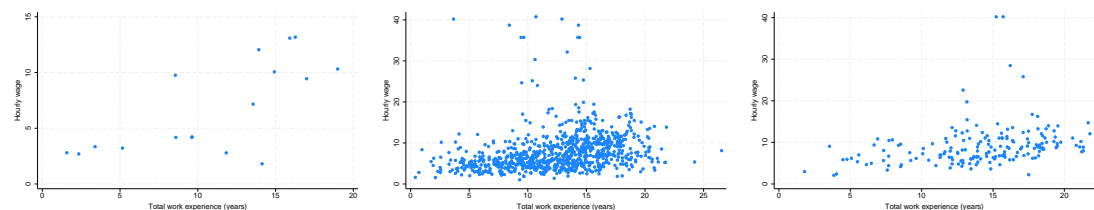
(a) Wage vs. Total Experience for Ag/Forestry/Fisheries (b) Wage vs. Total Experience for Mining (c) Wage vs. Total Experience for Construction



(d) Wage vs. Total Experience for Manufacturing (e) Wage vs. Total Experience for Transport/Comm/Utility (f) Wage vs. Total Experience for Wholesale/Retail trade



(g) Wage vs. Total Experience for Finance/Ins/Real estate (h) Wage vs. Total Experience for Business/Repair svc (i) Wage vs. Total Experience for Personal services



(j) Wage vs. Total Experience for Entertainment/Rec svc (k) Wage vs. Total Experience for Professional services (l) Wage vs. Total Experience for Public administration

Notes: Based on the nlsw88.dta data

3 Saving Tables with latexlog

Since latexlog operates directly on a tex file, it is easy to save tables created with the **esttab** command or other commands that produce latex output that is appended to a file. Here is an example of saving a table created with the esttab command:

Table 1: Table using Stata "esttab" command to directly append to the log file

	(1) logwage
tll_exp	0.0480*** (19.76)
_cons	1.267*** (39.07)
<i>N</i>	2246
<i>t</i> statistics in parentheses	
* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$	

Stata's table command is very flexible and powerful. The following example creates a twoway table of the number workers in each occupation and union category using Stata's **table** command. This table is then saved to the log file using the **collect export** subcommand.

Table 2: Table using Stata table command and latexlog collect export subcommand

	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

Table 3: Regression Table using Stata etable command and latexlog collect export subcommand

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

Notes: Command: etable, estimates(model1 model2) mstat(N) mstat(r2_a)