Illustrating the use of the latexlog package
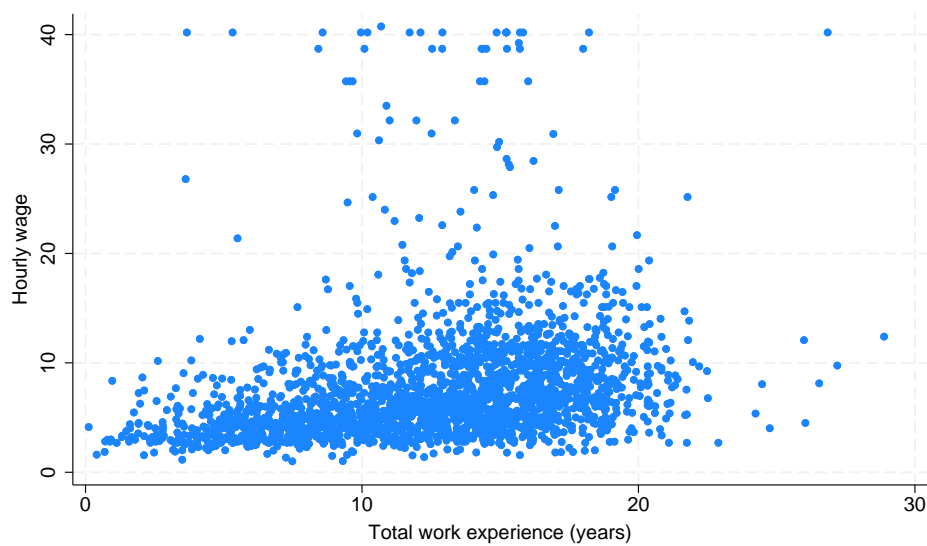
A descriptive analysis of the nlsw88.dta data

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

(a) Hourly wage vs. experience

(b) Usual hours worked vs. experience

(c) Job tenure (years) vs. experience

(d) Current grade completed vs. experience

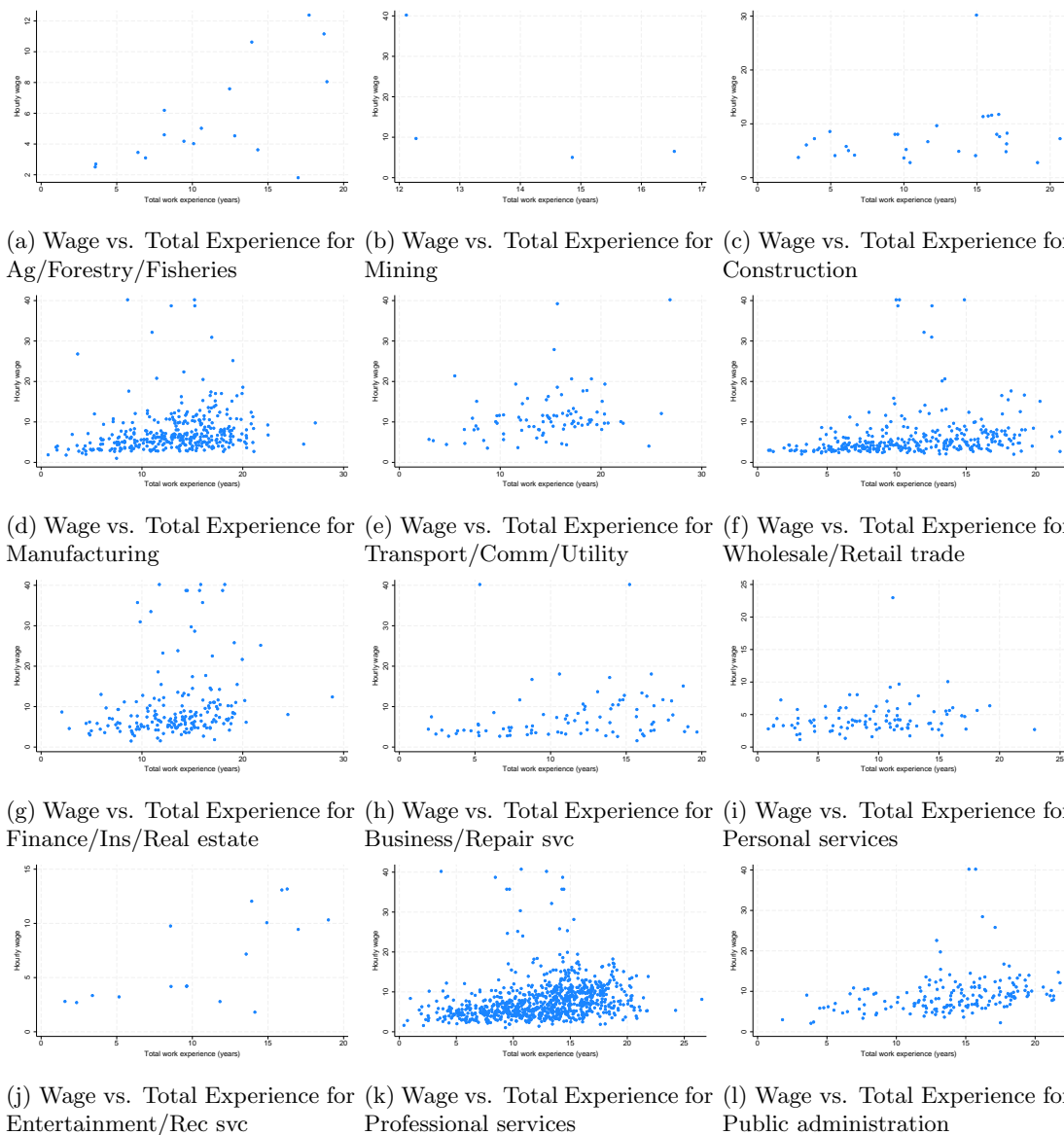**Notes:** Based on the nlsw88.dta data

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

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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
ttl_exp	0.0480***
	(19.76)
_cons	1.267***
	(39.07)
N	2246

t 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	0.039
	(0.002)	(0.002)
Current grade completed		0.081
		(0.004)
Married		-0.007
		(0.022)
Intercept	1.267	0.325
	(0.032)	(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)