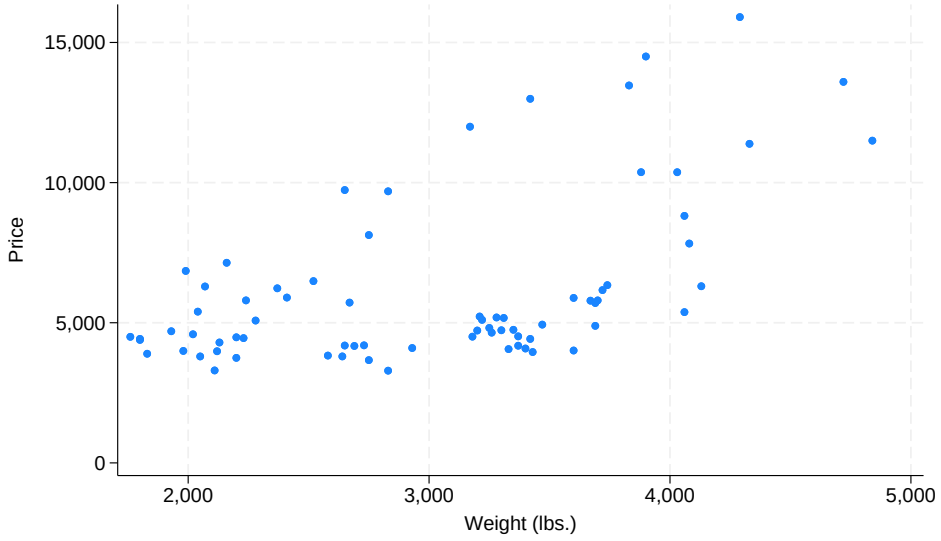
A descriptive analysis of the auto.dta data

1 Introduction

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

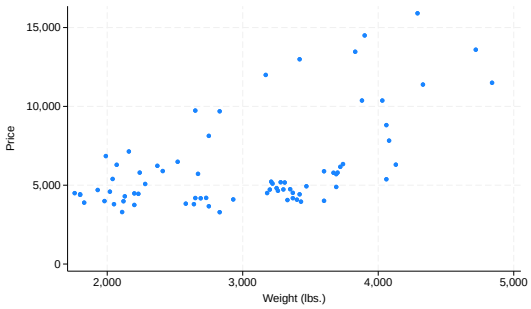
2 Summary Statistics

Figure 1: A scatterplot of price vs. weight using the addfig subcommand

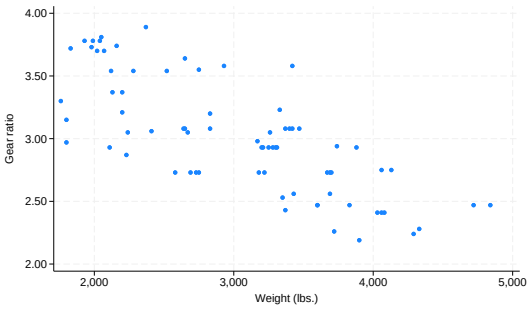


Notes: Based on the auto.dta data

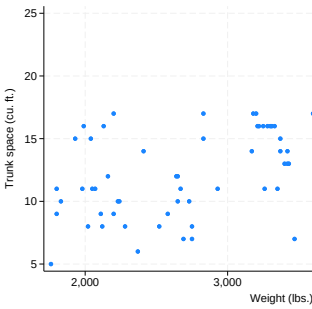
Figure 2: Four Scatterplots of different variables vs. weight using the subfloat subcommand



(a) Price vs. weight

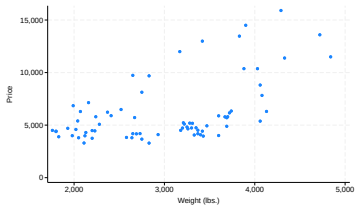


(b) Gear ratio vs. weight

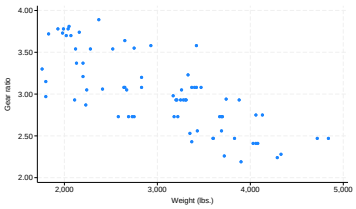


(c) Trunk space (cu. ft

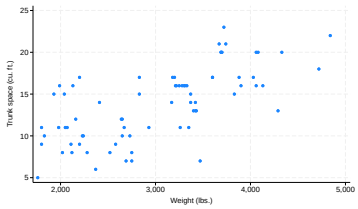
Figure 3: Four Scatterplots of different variables vs. weight using the subfloat subcommand



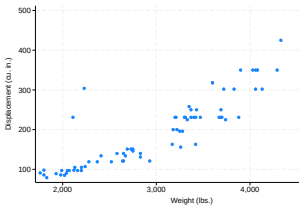
(a) Price vs. weight



(b) Gear ratio vs. weight



(c) Trunk space (cu. ft.) vs. weight



(d) Displacement (cu. in.) vs.

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:

	(1) price
mpg	-238.9***
	(-4.50)
_cons	11253.1***
	(9.61)
N	74

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 table of the number of foreign and domestic cars in each MPG category using Stata's table command. This table is then saved to the log file using the collect export subcommand.

Table 1: Two Way Table using Stata table command and latexlog collect export subcommand

	MPG category		
	Ineffcient	Moderate	Efficient
Car origin			
Domestic			
Weight >=3000 lbs			
0	9	6	
1	36	1	
Foreign			
Weight >=3000 lbs			
0	13	6	1
1	2		

Notes: more notes

Table 2: Regression Table using Stata etable command and latexlog collect export subcommand

	price	price
Mileage (mpg)	-49.512	
	(86.156)	
Weight (lbs.)	1.747	
	(0.641)	
Car origin		
Foreign		312.259
		(754.449)
Intercept	1946.069	6072.423
	(3597.050)	(411.363)
Number of observations	74	74
Adjusted R-squared	0.27	-0.01