

Stata Markstat Example of PDF

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Introduction

Let us read the fuel efficiency data that is shipped with Stata

```
. sysuse auto, clear  
(1978 Automobile Data)
```

Results

To study how fuel efficiency depends on weight it is useful to transform the dependent variable from “miles per gallon” to “gallons per 100 miles”

```
. gen gphm = 100/mpg
```

We then obtain a more linear relationship

```
. twoway scatter gphm weight || lfit gphm weight ///  
> , ytitle(Gallons per Mile) legend(off)  
. graph export auto.png, width(500) replace  
(file auto.png written in PNG format)
```

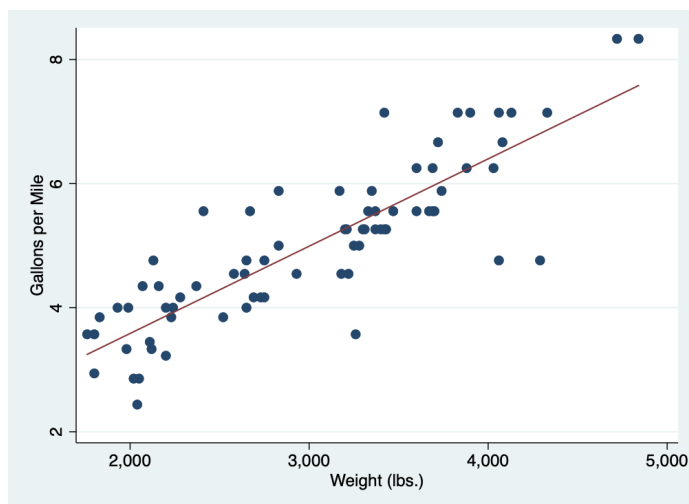


Figure 1: Fuel Efficiency

That's all for now!