Writing with LaTeX in Stata Do-file Editor

E. F. Haghish

April 28, 2016

Abstract

MarkDoc not only supports writing text using **Markdown Syntax** but also allows writing and styling text using **HTML** and LaTeX. These new features will appeal only to professional users (*Wierdos*) and the majority of the users will enjoy writing with Markdown. In this short turorial I will demonstrate how to weave a document in MarkDoc using LaTeX.

1   Introduction

There is a new feature in MarkDoc that allows you to weave your document Using LaTeX. This might only be interesting to some of you.

Hey look, it's math.

$$\alpha = \sqrt{\beta} \tag{1}$$

1.1   Adding Stata output

Below I will add some Stata commands and outputs.

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

.         describe

Contains data from C:\Program Files (x86)\Stata12\ado\base/a/auto.dta
  obs:            74                          1978 Automobile Data
 vars:            12                          13 Apr 2011 17:45
 size:         3,182                          (_dta has notes)
-------------------------------------------------------------------------------
              storage   display     value
variable name   type    format      label       variable label
-------------------------------------------------------------------------------
make            str18   %-18s                    Make and Model
price           int     %8.0gc                   Price
mpg             int     %8.0g                    Mileage (mpg)
rep78           int     %8.0g                    Repair Record 1978
headroom        float   %6.1f                    Headroom (in.)
trunk           int     %8.0g                    Trunk space (cu. ft.)
weight          int     %8.0gc                   Weight (lbs.)
length          int     %8.0g                    Length (in.)
turn            int     %8.0g                    Turn Circle (ft.)
displacement    int     %8.0g                    Displacement (cu. in.)
gear_ratio      float   %6.2f                    Gear Ratio
foreign         byte    %8.0g       origin       Car type
-------------------------------------------------------------------------------
Sorted by:  foreign

.         list in 1/3

      +------------------------------------------------------------------+
  1.  | make          | price | mpg | rep78 | headroom | trunk | weight |
```

```
          | AMC Concord | 4,099 |  22 |     3 |       2.5 |    11 |  2,930 |
          |--------------------+------------+--------------------------|
          | length   |   turn   | displa~t   | gear_r~o   |   foreign   |
          |    186   |    40    |      121   |     3.58   |   Domestic  |
          +--------------------------------------------------------------+


          +--------------------------------------------------------------+
   2.  | make        | price | mpg | rep78 | headroom | trunk | weight |
       | AMC Pacer   | 4,749 |  17 |     3 |       3.0 |    11 |  3,350 |
       |--------------------+------------+--------------------------|
       | length   |   turn   | displa~t   | gear_r~o   |   foreign   |
       |    173   |    40    |      258   |     2.53   |   Domestic  |
       +--------------------------------------------------------------+


          +--------------------------------------------------------------+
   3.  | make        | price | mpg | rep78 | headroom | trunk | weight |
       | AMC Spirit  | 3,799 |  22 |     . |       3.0 |    12 |  2,640 |
       |--------------------+------------+--------------------------|
       | length   |   turn   | displa~t   | gear_r~o   |   foreign   |
       |    168   |    35    |      121   |     3.08   |   Domestic  |
       +--------------------------------------------------------------+

.        hist price
(bin=8, start=3291, width=1576.875)


.        graph export graph.png, width(400) replace
(file graph.png written in PNG format)
```
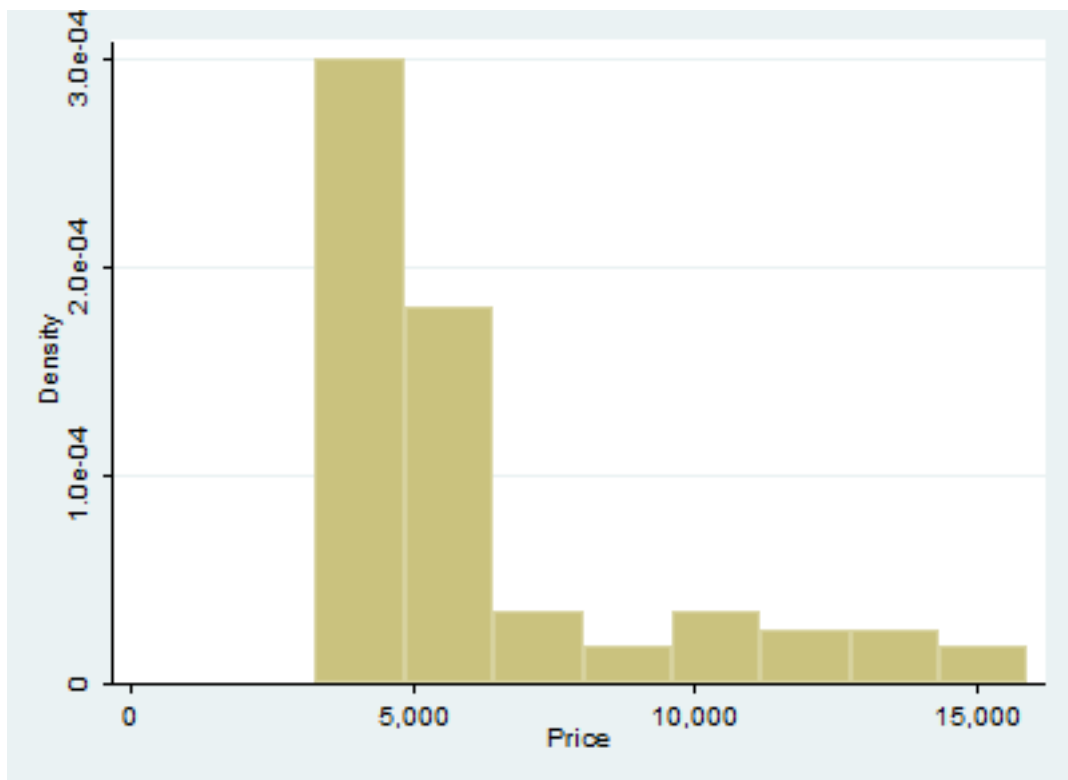

Figure 1: This graph shows the histogram of the price variable

2   Regression

Let's end this do-file with a regression analysis.

:

3   Conclusion

Writing a document with LaTeX in **MarkDoc** is so natural and does not require additional options or commands. **MarkDoc** automatically recognizes that you are writing with LaTeX. All that you need to do is to **export a tex file** from the options. Also remember not to mix HTML, LaTeX, and Markdown in a single document. Make your mind what markup language you want to use for weaving your document.

	(1)
VARIABLES	price
mpg	-238.9***
	(53.08)
Constant	11,253***
	(1,171)
Observations	74
R-squared	0.220

Standard errors in parentheses
*** p<0.01, ** p<0.05, * p<0.1