

# Writing with L<sup>A</sup>T<sub>E</sub>X in Stata Do-file Editor

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## Abstract

**MarkDoc** not only supports writing text using **Markdown Syntax** but also allows writing and styling text using **HTML** and L<sup>A</sup>T<sub>E</sub>X. These new features will appeal only to professional users (*Wierdos*) and the majority of the users will enjoy writing with Markdown. In this short tutorial I will demonstrate how to weave a document in MarkDoc using L<sup>A</sup>T<sub>E</sub>X.

## 1 Introduction

There is a new feature in MarkDoc that allows you to weave your document Using L<sup>A</sup>T<sub>E</sub>X. This might only be interesting to some of you.

Hey look, it's math.

$$\alpha = \sqrt{\beta} \quad (1)$$

### 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)
```

variable name	storage type	display format	value 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)
```

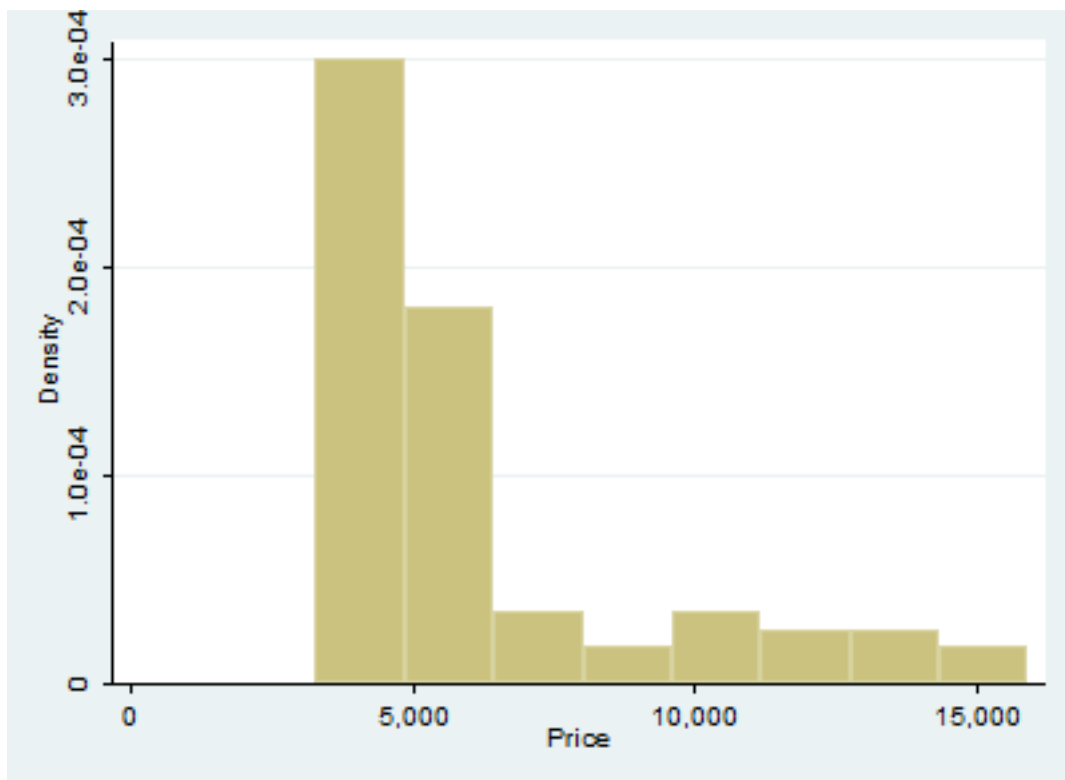


Figure 1: This graph shows the histogram of the price variable

## 2 Regression

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

:

## 3 Conclusion

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

VARIABLES	(1)
	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	