A simple example

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Contents

1 Introduction

1.1 Goals

Goals

- This lesson should show off quick production of presentations

- We'll run some Stata and get the output into the presentation

- We'll split input and output so that the notes have something different from the slides

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2 Lesson

2.1 Something Simple

Something Simple

- This slide has only text

- It looks like an outline

    - Adding things is simple

- No need to play formatting games

A Little Stata

- Open up the auto dataset

  . sysuse auto

  (1978 Automobile Data)

- Look at a table

  . tab rep78, sum(price)

  ```
      Repair |             Summary of Price
  Record 1978 |        Mean    Std. Dev.        Freq.
  ------------+------------------------------------
           1 |      4,564.5    522.55191            2
           2 |    5,967.625    3,579.357            8
           3 |    6,429.233     3,525.14           30
           4 |      6,071.5    1,709.608           18
           5 |        5,913    2,615.763           11
  ------------+------------------------------------
       Total |    6,146.043     2,912.44           69
  ```

Return Lists

- Would like to illustrate something with a lot of output

- Return lists can be like this

  . summarize price, detail

  ```
                              Price
  -------------------------------------------------------------
        Percentiles      Smallest
   1%        3291            3291
   5%        3748            3299
  10%        3895            3667       Obs                  74
  25%        4195            3748       Sum of Wgt.          74

  50%       5006.5                      Mean           6165.257
                          Largest       Std. Dev.      2949.496
  75%        6342           13466
  90%       11385           13594       Variance        8699526
  95%       13466           14500       Skewness       1.653434
  99%       15906           15906       Kurtosis       4.819188
  ```

- Putting them in the slides is pointless, but they should be in the notes

  . return list

  ```
  scalars:
                    r(N) =  74
                r(sum_w) =  74
                 r(mean) =  6165.256756756757
                  r(Var) =  8699525.97426879
                   r(sd) =  2949.495884768919
             r(skewness) =  1.653433511704859
  ```

```
r(kurtosis) =   4.819187528464004
     r(sum) =   456229
     r(min) =   3291
     r(max) =   15906
      r(p1) =   3291
      r(p5) =   3748
     r(p10) =   3895
     r(p25) =   4195
     r(p50) =   5006.5
     r(p75) =   6342
     r(p90) =   11385
     r(p95) =   13466
     r(p99) =   15906
```

A Graph would be nice

- Graphs always look good

  . graph matrix mpg price turn