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## Notes:

1. Unicode is supported; see [help unicode advice](#).
2. More than 2 billion observations are allowed; see [help obs advice](#).
3. Maximum number of variables is set to 5000; see [help set\\_maxvar](#).

```
1 . insheet using https://raw.githubusercontent.com/sdegiorgi
> s/Quant2/master/CamBurGloresmobACS2017.csv
(33 vars, 304 obs)
```

```
2 . d
```

Contains data

```
obs:      304
vars:      33
size:     52,592
```

| variable name          | storage type | display format | value label | variable label             |
|------------------------|--------------|----------------|-------------|----------------------------|
| > 1                    |              |                |             |                            |
| <b>id</b>              | str20        | %20s           |             | <b>Id</b>                  |
| <b>id2</b>             | double       | %10.0g         |             | <b>Id2</b>                 |
| <b>geography</b>       | str51        | %51s           |             | <b>Geography</b>           |
| <b>estimatehousi~u</b> | int          | %8.0g          |             | <b>Estimate;</b>           |
|                        |              |                |             | <b>HOUSING TENURE -</b>    |
|                        |              |                |             | <b>Occupied housing</b>    |
|                        |              |                |             | <b>units</b>               |
| <b>v5</b>              | int          | %8.0g          |             | <b>Estimate;</b>           |
|                        |              |                |             | <b>HOUSING TENURE -</b>    |
|                        |              |                |             | <b>Occupied housing</b>    |
|                        |              |                |             | <b>units -</b>             |
|                        |              |                |             | <b>Owner-occupied</b>      |
| <b>percenthousin~s</b> | float        | %9.0g          |             | <b>Percent;</b>            |
|                        |              |                |             | <b>HOUSING TENURE -</b>    |
|                        |              |                |             | <b>Occupied housing</b>    |
|                        |              |                |             | <b>units -</b>             |
|                        |              |                |             | <b>Owner-occupied</b>      |
| <b>v7</b>              | int          | %8.0g          |             | <b>Estimate;</b>           |
|                        |              |                |             | <b>HOUSING TENURE -</b>    |
|                        |              |                |             | <b>Occupied housing</b>    |
|                        |              |                |             | <b>units -</b>             |
|                        |              |                |             | <b>Renter-occupied</b>     |
| <b>v8</b>              | float        | %9.0g          |             | <b>Percent;</b>            |
|                        |              |                |             | <b>HOUSING TENURE -</b>    |
|                        |              |                |             | <b>Occupied housing</b>    |
|                        |              |                |             | <b>units -</b>             |
|                        |              |                |             | <b>Renter-occupied</b>     |
| <b>estimatehousi~s</b> | str4         | %9s            |             | <b>Estimate;</b>           |
|                        |              |                |             | <b>HOUSING TENURE -</b>    |
|                        |              |                |             | <b>Average household</b>   |
|                        |              |                |             | <b>size of</b>             |
|                        |              |                |             | <b>owner-occupied unit</b> |
| <b>percenthousin~e</b> | str3         | %9s            |             | <b>Percent;</b>            |
|                        |              |                |             | <b>HOUSING TENURE -</b>    |
|                        |              |                |             | <b>Average household</b>   |
|                        |              |                |             | <b>size of</b>             |

|                 |       |       |   |
|-----------------|-------|-------|---|
| v11             | str4  | %9s   | owner-occupied unit<br>Estimate;<br>HOUSING TENURE -<br>Average household<br>size of                    |
| v12             | str3  | %9s   | renter-occupied unit<br>Percent;<br>HOUSING TENURE -<br>Average household<br>size of                    |
| estimateyearh~o | int   | %8.0g | renter-occupied unit<br>Estimate;<br>YEAR HOUSEHOLDER<br>MOVED INTO UNIT -<br>Occupied housing<br>units |
| percentyearho~u | int   | %8.0g | Percent; YEAR<br>HOUSEHOLDER MOVED<br>INTO UNIT - Occupied<br>housing units                             |
| v15             | int   | %8.0g | Estimate;<br>YEAR HOUSEHOLDER<br>MOVED INTO UNIT -<br>Occupied housing<br>units - Moved in 2            |
| v16             | float | %9.0g | Percent; YEAR<br>HOUSEHOLDER MOVED<br>INTO UNIT - Occupied<br>housing units -<br>Moved in 20            |
| v17             | int   | %8.0g | Estimate;<br>YEAR HOUSEHOLDER<br>MOVED INTO UNIT -<br>Occupied housing<br>units - Moved in 2            |
| v18             | float | %9.0g | Percent; YEAR<br>HOUSEHOLDER MOVED<br>INTO UNIT - Occupied<br>housing units -<br>Moved in 20            |
| v19             | int   | %8.0g | Estimate;<br>YEAR HOUSEHOLDER<br>MOVED INTO UNIT -<br>Occupied housing<br>units - Moved in 2            |
| v20             | float | %9.0g | Percent; YEAR<br>HOUSEHOLDER MOVED<br>INTO UNIT - Occupied<br>housing units -<br>Moved in 20            |
| v21             | int   | %8.0g | Estimate;<br>YEAR HOUSEHOLDER<br>MOVED INTO UNIT -<br>Occupied housing<br>units - Moved in 1            |
| v22             | float | %9.0g | Percent; YEAR<br>HOUSEHOLDER MOVED<br>INTO UNIT - Occupied<br>housing units -<br>Moved in 19            |
| v23             | int   | %8.0g | Estimate;<br>YEAR HOUSEHOLDER<br>MOVED INTO UNIT -<br>Occupied housing<br>units - Moved in 1            |
| v24             | float | %9.0g | Percent; YEAR<br>HOUSEHOLDER MOVED<br>INTO UNIT - Occupied<br>housing units -<br>Moved in 19            |
| v25             | int   | %8.0g | Estimate;<br>YEAR HOUSEHOLDER   |

|                 |       |        |   |
|-----------------|-------|--------|---|
|                 |       |        | MOVED INTO UNIT -<br>Occupied housing<br>units - Moved in 1<br>Percent; YEAR<br>HOUSEHOLDER MOVED<br>INTO UNIT - Occupied<br>housing units -<br>Moved in 19 |
| v26             | float | %9.0g  | Estimate;   |
| estimateselec~t | int   | %8.0g  | SELECTED MONTHLY<br>OWNER COSTS (SMOC) -<br>Housing units with a<br>mortgage  |
| v28             | str6  | %9s    | Estimate;   |
|                 |       |        | SELECTED MONTHLY<br>OWNER COSTS (SMOC) -<br>Housing units with a<br>mortgage -  |
| v29             | int   | %8.0g  | Estimate;   |
|                 |       |        | SELECTED MONTHLY<br>OWNER COSTS (SMOC) -<br>Housing units<br>without a mortgage   |
| v30             | str6  | %9s    | Estimate;   |
|                 |       |        | SELECTED MONTHLY<br>OWNER COSTS (SMOC) -<br>Housing units<br>without a mortgage   |
| estimategross~a | int   | %8.0g  | Estimate;   |
|                 |       |        | GROSS RENT -<br>Occupied units<br>paying rent   |
| v32             | str4  | %9s    | Estimate;   |
|                 |       |        | GROSS RENT -<br>Occupied units<br>paying rent - Median<br>(dollars)   |
| estimatei~2017i | long  | %12.0g | Estimate;   |
|                 |       |        | INCOME AND BENEFITS<br>(IN 2017<br>INFLATION-ADJUSTED<br>DOLLARS) - Total<br>house  |

Sorted by:

**Note: Dataset has changed since last saved.**

3 . edit

4 . edit

5 . insheet using <https://raw.githubusercontent.com/sdegiorgi/s/Quant2/master/Quant2FinalPaper.csv>, clear  
(13 vars, 304 obs)

6 . d

Contains data

obs: 304  
vars: 13  
size: 28,880

| variable name   | storage type | display format | value label | variable label   |
|-----------------|--------------|----------------|-------------|--|
| county          | str10        | %10s           |             | County   |
| id2             | double       | %10.0g         |             | Id2  |
| geography       | str51        | %51s           |             | Geography  |
| percentyearho~u | float        | %9.0g          |             | Percent; YEAR<br>HOUSEHOLDER MOVED<br>INTO UNIT - Occupied |

|                 |       |        |   |
|-----------------|-------|--------|---|
|                 |       |        | housing units -<br>Moved in 20  |
| v5              | float | %9.0g  | Percent; YEAR<br>HOUSEHOLDER MOVED<br>INTO UNIT - Occupied<br>housing units -<br>Moved in 19    |
| estimateselec~t | int   | %8.0g  | Estimate;<br>SELECTED MONTHLY<br>OWNER COSTS (SMOC) -<br>Housing units with a<br>mortgage       |
| v7              | int   | %8.0g  | Estimate;<br>SELECTED MONTHLY<br>OWNER COSTS (SMOC) -<br>Housing units with a<br>mortgage -     |
| v8              | int   | %8.0g  | Estimate;<br>SELECTED MONTHLY<br>OWNER COSTS (SMOC) -<br>Housing units<br>without a mortgage    |
| v9              | int   | %8.0g  | Estimate;<br>SELECTED MONTHLY<br>OWNER COSTS (SMOC) -<br>Housing units<br>without a mortgage    |
| smocforhousin~u | int   | %8.0g  | SMOC for<br>housing units with<br>and without a<br>mortgage                                     |
| estimategross~a | int   | %8.0g  | Estimate;<br>GROSS RENT -<br>Occupied units<br>paying rent                                      |
| v12             | int   | %8.0g  | Estimate;<br>GROSS RENT -<br>Occupied units<br>paying rent - Median<br>(dollars)                |
| estimatei~2017i | long  | %12.0g | Estimate;<br>INCOME AND BENEFITS<br>(IN 2017<br>INFLATION-ADJUSTED<br>DOLLARS) - Total<br>house |

Sorted by:

**Note: Dataset has changed since last saved.**

7 . edit

8 . reg percentyearhouseholdermovedintou smocforhousingunit  
> ithandwithou estimateincomeandbenefitsin2017i

|            | Source | SS                | df         | MS                | Number o |
|------------|--------|-------------------|------------|-------------------|----------|
| > f obs    | =      | <b>304</b>        |            |                   |          |
| > )        | =      | <b>28.84</b>      |            |                   | F(2, 301 |
| > Model    | =      | <b>1151.36979</b> | <b>2</b>   | <b>575.684895</b> | Prob > F |
| > Residual | =      | <b>0.0000</b>     |            |                   |          |
| > d        | =      | <b>6009.2062</b>  | <b>301</b> | <b>19.9641402</b> | R-square |
|            | =      | <b>0.1608</b>     |            |                   |          |
| > uared    | =      | <b>0.1552</b>     |            |                   | Adj R-sq |
| > Total    | =      | <b>7160.576</b>   | <b>303</b> | <b>23.632264</b>  | Root MSE |
| >          | =      | <b>4.4681</b>     |            |                   |          |

| percentyearhouseholderm<br>> 95% Conf. Interval]                  | Coef.      | Std. Err. | t     | P> t  | [  |
|---|------------|-----------|-------|-------|----|
| smocforhouseholdermovedintou v12 estimateincomeandbenefitsin2017i | -0.0003373 | .0010178  | -0.33 | 0.741 | -. |
| > 0023402   |            |           |       |       |    |
| >   | .0016657   |           |       |       |    |
| estimatesin2017i  | -0.0000608 | .0000156  | -3.91 | 0.000 | -. |
| > 0000915   |            |           |       |       |    |
| >   | -0.0000302 |           |       |       |    |
| cons  | 12.81402   | .9596532  | 13.35 | 0.000 | 1  |
| > 0.92554   |            |           |       |       |    |
| >   | 14.7025    |           |       |       |    |

9 . reg percentyearhouseholdermovedintou v12 estimateincomeandbenefitsin2017i

| Source | SS         | df  | MS         | Number of obs | =     |
|--------|------------|-----|------------|---------------|-------|
| > 304  |            |     |            | F(2, 301)     | = 31  |
| > .11  |            |     |            | Prob > F      | = 0.0 |
| > 000  | 1226.48689 | 2   | 613.243444 | R-squared     | = 0.1 |
| > 713  | 5934.08911 | 301 | 19.7145818 | Adj R-squared | = 0.1 |
| > 658  |            |     |            | Root MSE      | = 4.4 |
| > 401  | 7160.576   | 303 | 23.632264  |               |       |

| percentyearhouseholderm<br>> al] | Coef.      | Std. Err. | t     | P> t  | [95% Conf. Interv  |
|----------------------------------|------------|-----------|-------|-------|--------------------|
| v12                              | .0010504   | .0005304  | 1.98  | 0.049 | 6.57e-06 .0020     |
| > 941                            |            |           |       |       |                    |
| estimatesin2017i                 | -0.0000657 | 8.54e-06  | -7.69 | 0.000 | -0.0000825 -0.0000 |
| > 489                            |            |           |       |       |                    |
| _cons                            | 11.44329   | .9200135  | 12.44 | 0.000 | 9.632822 13.25     |
| > 377                            |            |           |       |       |                    |

10. reg percentyearhouseholdermovedintou v7 estimateincomeandbenefitsin2017i

| Source | SS         | df  | MS         | Number of obs | =     |
|--------|------------|-----|------------|---------------|-------|
| > 304  |            |     |            | F(2, 301)     | = 29  |
| > .69  |            |     |            | Prob > F      | = 0.0 |
| > 000  | 1179.84054 | 2   | 589.920268 | R-squared     | = 0.1 |
| > 648  | 5980.73546 | 301 | 19.869553  | Adj R-squared | = 0.1 |
| > 592  |            |     |            | Root MSE      | = 4.4 |
| > 575  | 7160.576   | 303 | 23.632264  |               |       |

| percentyearhouseholdermovedintou v9 estimateincomeandbenefitsin2017i | Coef.      | Std. Err. | t     | P> t  | [95% Conf. Interv |         |
|--|------------|-----------|-------|-------|-------------------|---------|
| > 121  |            |           |       |       |                   |         |
| > 202  |            |           |       |       |                   |         |
| > 887  |            |           |       |       |                   |         |
| v7   | - .0010479 | .0008435  | -1.24 | 0.215 | - .0027078        | .0006   |
| estima~2017i   | - .0000498 | .000015   | -3.31 | 0.001 | - .0000794        | - .0000 |
| _cons  | 13.44347   | .9834974  | 13.67 | 0.000 | 11.50807          | 15.37   |

11. reg percentyearhouseholdermovedintou v9 estimateincomeandbenefitsin2017i

| Source | SS       | df  | MS        | Number of obs | =     |
|--------|----------|-----|-----------|---------------|-------|
| > 304  |          |     |           | F(2, 301)     | = 28  |
| > .97  |          |     |           | Prob > F      | = 0.0 |
| > 000  |          |     |           | R-squared     | = 0.1 |
| > 614  |          |     |           | Adj R-squared | = 0.1 |
| > 558  |          |     |           | Root MSE      | = 4.4 |
| Total  | 7160.576 | 303 | 23.632264 |               |       |

| percentyearhouseholdermovedintou v9 estimateincomeandbenefitsin2017i | Coef.      | Std. Err. | t     | P> t  | [95% Conf. Interv |         |
|--|------------|-----------|-------|-------|-------------------|---------|
| > 368  |            |           |       |       |                   |         |
| > 378  |            |           |       |       |                   |         |
| > 549  |            |           |       |       |                   |         |
| v9   | - .0008352 | .0014594  | -0.57 | 0.568 | - .0037072        | .0020   |
| estima~2017i   | - .0000607 | .0000116  | -5.22 | 0.000 | - .0000835        | - .0000 |
| _cons  | 12.97109   | .9626609  | 13.47 | 0.000 | 11.07669          | 14.86   |

12. translate @Results /home/ru/svd30/Desktop/Quant2FinalPaper.pdf.pdf