```
-------------------------------------------------------------------------------------------------------------------
      name:  <unnamed>
       log:  /Users/codydehaan/Desktop/Eating_Heavily.smcl
  log type:  text
 opened on:  24 Apr 2017, 20:21:43

. import delimited "/Users/codydehaan/Desktop/PizzaStudy.txt"
(30 vars, 139 obs)

.
. //Labeling the variables
. label variable treatment "The manipulation group"

. label define treatment1 1 "$4" 2 "$8"

. label value treatment treatment1

. label variable pieces "How many pieces of pizza did you eat today?"

. label variable gender "Gender"

. label define gender1 1 "Male" 2 "Female"

. label value gender gender1

. label variable slice_cond "Condition based on pieces"

. label define slice_cond1 1 "1 piece" 2 "2 pieces" 3 "3 pieces"

. label value slice_cond slice_cond1

. label variable genderd "Gender"

. label define gender2 1 "Male" 0 "Female"

. label value genderd gender2

. label variable taste_general "The pizza, in general, tasted really great"

. label variable taste_first "The first piece of pizza I ate tasted really great"
```

```
. label variable sat_first "The first piece of pizza I ate was very satisfying"

. label variable enj_first "The first piece of pizza I ate was very enjoyable"

. label variable taste_middle "The middle piece of pizza I ate tasted really great"

. label variable sat_middle "The middle piece of pizza I ate was very satisfying"

. label variable enj_middle "The middle piece of pizza I ate was very enjoyable"

. label variable taste_last "The last piece of pizza I ate tasted really great"

. label variable sat_last "The last piece of pizza I ate was very satisfying"

. label variable enj_last "The last piece of pizza I ate was very enjoyable"

. label variable ate_more_pizza "I ate more pizza than I should have"

. label variable was_hungry "I was very hungry when I came in"

. label variable am_hungry "I am hungry now"

. label variable feel_guilty "I feel guilty about how much I ate"

. label variable physic_uncomf "I am physically uncomfortable"

. label variable overate "I overate"

. label variable ate_more_general "I ate more than I should have"

. label variable felt_rushed "I felt rushed"

. label variable salad "Mark the amount of salad you ate (continuous rating scale)"

. label variable calories "The amount of calories that participants thought they ate"

. label variable mixedgroup "The type of group"

. label define yes_no 1 "Yes" 0 "No"

. label value mixedgroup yes_no
```

```
. label variable male_1 "An indicator that there are multiple males in a mixed-sex groups"

. label define male_1d 1 "Male, and the only male in mixed-sex group" 0 "Male, and in a mixed-sex group with at least
>  one other male"

. label value male_1 male_1d

. label variable id "The ID of participants for reshaping the data"

. label variable mmff "The type of groups"

. label define mmff1 1 "Males eating with females" 2 "Males eating with males" 3 "Females eating with males" 4 "Femal
> es eating with females"

. label value mmff mmff1

. label variable group "Number of people in the group"

.
.
. // Anova results in the text
. anova pieces mmff if mmff == 1 | mmff == 2  // pizza consumption - males eating with males or females

                          Number of obs =         65    R-squared     =  0.1574
                          Root MSE      =    1.62753    Adj R-squared =  0.1441

                  Source | Partial SS         df         MS        F    Prob>F
              -----------+----------------------------------------------------
                   Model |  31.183964          1   31.183964     11.77  0.0011
                         |
                    mmff |  31.183964          1   31.183964     11.77  0.0011
                         |
                Residual |  166.87757         63   2.6488504
              -----------+----------------------------------------------------
                   Total |  198.06154         64   3.0947115

. anova salad mmff if mmff == 1 | mmff == 2   // salad consumption - males eating with males or females

                          Number of obs =         56    R-squared     =  0.1625
                          Root MSE      =    2.95128    Adj R-squared =  0.1470
```

```
    Source | Partial SS         df         MS        F    Prob>F
-----------+----------------------------------------------------
     Model |  91.287873          1   91.287873     10.48  0.0021
           |
      mmff |  91.287873          1   91.287873     10.48  0.0021
           |
  Residual |  470.34337         54   8.7100625
-----------+----------------------------------------------------
     Total |  561.63125         55   10.211477

. anova pieces mmff if mmff == 3 | mmff == 4  // pizza consumption - females eating with males or females

                      Number of obs =         51    R-squared     =  0.0207
                      Root MSE      =    .873953    Adj R-squared =  0.0007

    Source | Partial SS         df         MS        F    Prob>F
-----------+----------------------------------------------------
     Model |  .79096532          1   .79096532      1.04  0.3139
           |
      mmff |  .79096532          1   .79096532      1.04  0.3139
           |
  Residual |  37.425898         49   .76379383
-----------+----------------------------------------------------
     Total |  38.216863         50   .76433726

. anova salad mmff if mmff == 3 | mmff == 4   // salad consumption - females eating with males or females

                      Number of obs =         40    R-squared     =  0.0020
                      Root MSE      =    2.71073    Adj R-squared = -0.0242

    Source | Partial SS         df         MS        F    Prob>F
-----------+----------------------------------------------------
     Model |  .56416038          1   .56416038      0.08  0.7832
           |
      mmff |  .56416038          1   .56416038      0.08  0.7832
           |
  Residual |  279.22684         38   7.3480747
-----------+----------------------------------------------------
     Total |    279.791         39   7.1741282
```

```
.
. //The script for age, height and weight is commented because the respective data is removed to de-identify particip
> ants.
. //However the code-lines show how the averages are calculated
. /*
> label variable age "Age"
> label variable height_inch "Height in inches"
> label variable weight_lbs "Weight in pounds"
> // generating weight and heigh variables with kg and cm
> gen height_cm = height_inch * 2.54
> label variable height_cm "Height in cm"
>
> gen weight_kg = weight_lbs*0.45359237
> label variable weight_lbs "Weight in kg"
>
> gen bmi = weight_kg/(height_cm*height_cm/10000)
> label variable bmi "BMI"
>
> ************** Numbers in the text
> tab gender
> sum age if gender ==1
> sum age if gender ==2
>
> ************** Table 1 - Descriptive statistics of the sample
> tab mmff
> ttest age if mmff ==1 | mmff == 2, by(mmff) unequal
> ttest age if mmff ==3 | mmff == 4, by(mmff) unequal
>
> tab mmff if height_cm > 20.32, sum (height_cm) //removing an outlier
> ttest height_cm if mmff ==1 | mmff == 2, by(mmff) unequal
> ttest height_cm if mmff ==3 | mmff == 4, by(mmff) unequal
>
> tab mmff if weight_kg < 204, sum (weight_kg) //removing an outlier
> ttest weight_kg if mmff ==1 | mmff == 2, by(mmff) unequal
> ttest weight_kg if mmff ==3 | mmff == 4, by(mmff) unequal
>
> tab mmff if height_cm>20.32 & weight_kg<204, sum (bmi)
> ttest bmi if mmff ==1 | mmff == 2 & height_cm>20.32 & weight_kg<204, by(mmff) unequal
> ttest bmi if mmff ==3 | mmff == 4 & height_cm>20.32 & weight_kg<204, by(mmff) unequal
>
> //Then numbers reported under the Table 1
```

```
> tab mmff if height_inch > 8, sum (height_inch)
> tab mmff if weight_lbs < 450, sum (weight_lbs)
> */
.
. ************** Table 2 - Analysis results showing the effects of eating in groups of same-sex versus mixed-sex
. ************** Figure 1 numbers are also derived from this data
. // salad consumption
. tab mmff , sum (salad)

           | Summary of Mark the amount of salad
The type of |  you ate (continuous rating scale)
     groups |        Mean   Std. Dev.       Freq.
------------+------------------------------------
  Males eat |        5.27   3.0723915          40
  Males eat |     2.44375   2.6102283          16
  Females e |    5.230303   2.8440162          33
  Females e |   5.5428572   1.8437798           7
------------+------------------------------------
      Total |   4.8052083   3.0038701          96

. anova salad gender##mixedgroup  //Anova results

                       Number of obs =         96    R-squared     =  0.1256
                       Root MSE      =    2.85438    Adj R-squared =  0.0971

                  Source | Partial SS         df         MS        F    Prob>F
      -------------------+----------------------------------------------------
                   Model |  107.63718          3    35.87906      4.40  0.0061
                         |
                  gender |  35.908788          1   35.908788      4.41  0.0385
             mixedgroup |  24.241013          1   24.241013      2.98  0.0879
      gender#mixedgroup |  37.796689          1   37.796689      4.64  0.0339
                         |
                Residual |  749.57021         92   8.1475023
      -------------------+----------------------------------------------------
                   Total |  857.20739         95   9.0232357

. // pieces of pizza eaten
. tab mmff , sum (pieces)

           | Summary of How many pieces of pizza
```

```
The type of |         did you eat today?
     groups |        Mean   Std. Dev.       Freq.
------------+------------------------------------
  Males eat |   2.8913043   1.7667077          46
  Males eat |   1.3684211   1.2115429          19
  Females e |   1.5435897   .87623443          39
  Females e |        1.25    .8660254          12
------------+------------------------------------
      Total |   2.0189655    1.513011         116

. anova pieces gender##mixedgroup         //Anova results

                          Number of obs =        116    R-squared     =  0.2239
                          Root MSE      =    1.35061    Adj R-squared =  0.2032

                  Source | Partial SS         df         MS        F    Prob>F
       ------------------+----------------------------------------------------
                   Model |  58.954804          3   19.651601     10.77  0.0000
                         |
                  gender |  11.724088          1   11.724088      6.43  0.0126
              mixedgroup |  17.996526          1   17.996526      9.87  0.0022
       gender#mixedgroup |  8.2421777          1   8.2421777      4.52  0.0357
                         |
                Residual |  204.30347        112   1.8241381
       ------------------+----------------------------------------------------
                   Total |  263.25828        115   2.2892024

. // overate
. tab mmff , sum (overate)

The type of |        Summary of I overate
     groups |        Mean   Std. Dev.       Freq.
------------+------------------------------------
  Males eat |   3.1333333   2.5099801          45
  Males eat |   2.9473684   2.5706394          19
  Females e |   2.7435897   2.1850924          39
  Females e |   1.3636364   1.2060454          11
------------+------------------------------------
      Total |   2.7982456   2.3430554         114

. anova overate gender##mixedgroup        //Anova results
```

```
                      Number of obs =       114    R-squared     =  0.0455
                      Root MSE      =   2.32013    Adj R-squared =  0.0195

                Source | Partial SS         df         MS        F    Prob>F
       -----------------+----------------------------------------------------
                 Model |  28.230929          3   9.4103096      1.75  0.1614
                       |
                gender |  20.347578          1   20.347578      3.78  0.0544
           mixedgroup |  12.811128          1   12.811128      2.38  0.1258
       gender#mixedgroup |  7.4481676          1   7.4481676      1.38  0.2420
                       |
              Residual |  592.12872        110   5.3829884
       -----------------+----------------------------------------------------
                 Total |  620.35965        113   5.4899084

. // rushed
. tab mmff , sum (felt_rushed)

The type of |      Summary of I felt rushed
     groups |        Mean   Std. Dev.       Freq.
------------+------------------------------------
  Males eat |   1.8666667   1.6733201          45
  Males eat |   2.4736842   2.2203208          19
  Females e |   2.2307692   2.3108615          39
  Females e |   1.1818182   .40451992          11
------------+------------------------------------
      Total |   2.0263158   1.9528084         114

. anova felt_rushed gender##mixedgroup    //Anova results

                      Number of obs =       114    R-squared     =  0.0335
                      Root MSE      =   1.94585    Adj R-squared =  0.0071

                Source | Partial SS         df         MS        F    Prob>F
       -----------------+----------------------------------------------------
                 Model |   14.42477          3   4.8082567      1.27  0.2883
                       |
                gender |  4.4970085          1   4.4970085      1.19  0.2782
           mixedgroup |  1.0203826          1   1.0203826      0.27  0.6047
       gender#mixedgroup |  14.326938          1   14.326938      3.78  0.0543
```

```
                    |
           Residual |  416.49628        110   3.7863298
------------------+------------------------------------------------------
              Total |  430.92105        113   3.8134606

. // calorie
. tab mmff , sum (calories)

           |  Summary of The amount of calories
The type of | that participants thought they ate
     groups |        Mean   Std. Dev.       Freq.
------------+------------------------------------
  Males eat |   458.33333   307.24517          42
  Males eat |   291.33333   226.04888          15
  Females e |         444    279.9417          35
  Females e |   142.44444   168.37021           9
------------+------------------------------------
      Total |   400.41584   290.89233         101

. anova calories gender##mixedgroup       //Anova results

                       Number of obs =        101    R-squared     =  0.1164
                       Root MSE      =    277.638    Adj R-squared =  0.0891

                  Source | Partial SS         df         MS        F    Prob>F
------------------+----------------------------------------------------------
                   Model |  984799.65          3   328266.55      4.26  0.0072
                         |
                  gender |   115752.7          1    115752.7      1.50  0.2234
             mixedgroup |  953882.17          1   953882.17     12.37  0.0007
      gender#mixedgroup |  78663.962          1   78663.962      1.02  0.3149
                         |
                Residual |  7477034.9         97   77082.834
------------------+----------------------------------------------------------
                   Total |  8461834.5        100   84618.345

. // physically uncomfortable
. tab mmff , sum (physic_uncomf)

           |     Summary of I am physically
The type of |             uncomfortable
```

```
     groups |        Mean   Std. Dev.       Freq.
------------+------------------------------------
  Males eat |   2.1555556   1.5367551          45
  Males eat |   2.4736842    2.318247          19
  Females e |       2.275    1.768492          40
  Females e |   1.9090909   2.1191765          11
------------+------------------------------------
      Total |    2.226087   1.8018551         115

. anova physic_uncomf gender##mixedgroup          //Anova results

                        Number of obs =        115    R-squared     =  0.0070
                        Root MSE      =    1.81964    Adj R-squared = -0.0198

                  Source | Partial SS         df         MS        F    Prob>F
       -------------------+----------------------------------------------------
                   Model |   2.589695          3   .86323167      0.26  0.8536
                         |
                  gender |  1.0387634          1   1.0387634      0.31  0.5765
             mixedgroup |  .01196758          1   .01196758      0.00  0.9522
       gender#mixedgroup |  2.4528231          1   2.4528231      0.74  0.3913
                         |
                Residual |  367.53204        111   3.3110995
       -------------------+----------------------------------------------------
                   Total |  370.12174        114   3.2466819

.
.
. ************** Table 3 - Analysis results comparing males' consumption in different groups
. //The first column of Table 3 is the same as the second column of Table 2
. //creating new categorical variable for the test for male participants
. gen  male_c = .
(139 missing values generated)

. replace male_c = 1 if mmff == 2
(19 real changes made)

. replace male_c = 2 if mmff == 1 & male_1 == 1
(23 real changes made)

. replace male_c = 3 if mmff == 1 & male_1 == 0
```

```
(23 real changes made)

.
. //Labeling the variable
. label variable male_c "With whom male participants ate"

. label define male_c1 1 "males eating with males" 2 "Only one male in mixed-sex groups" 3 "More than one male in mix
> ed-sex groups"

. label value male_c male_c1

.
. tab mmff if male_1 ==1, sum (salad)     //salad

            | Summary of Mark the amount of salad
The type of |  you ate (continuous rating scale)
     groups |        Mean   Std. Dev.       Freq.
------------+------------------------------------
  Males eat |   5.7263158   3.2103724          19
------------+------------------------------------
      Total |   5.7263158   3.2103724          19

. tab mmff if male_1 ==0, sum (salad)

            | Summary of Mark the amount of salad
The type of |  you ate (continuous rating scale)
     groups |        Mean   Std. Dev.       Freq.
------------+------------------------------------
  Males eat |   4.8571428   2.9588125          21
------------+------------------------------------
      Total |   4.8571428   2.9588125          21

. anova salad male_c

                          Number of obs =         56    R-squared     =  0.1760
                          Root MSE      =    2.95503    Adj R-squared =  0.1449

                  Source | Partial SS         df         MS        F    Prob>F
              -----------+----------------------------------------------------
                   Model |  98.823603          2   49.411801      5.66  0.0059
                         |
```

```
      male_c |  98.823603          2   49.411801      5.66  0.0059
             |
    Residual |  462.80764         53   8.7322197
-------------+------------------------------------------------------
       Total |  561.63125         55   10.211477

.
. tab mmff if male_1 ==1, sum (pieces)    //pizza

           | Summary of How many pieces of pizza
The type of |         did you eat today?
     groups |        Mean   Std. Dev.       Freq.
------------+------------------------------------
  Males eat |   2.9130435   1.6490505          23
------------+------------------------------------
      Total |   2.9130435   1.6490505          23

. tab mmff if male_1 ==0, sum (pieces)

           | Summary of How many pieces of pizza
The type of |         did you eat today?
     groups |        Mean   Std. Dev.       Freq.
------------+------------------------------------
  Males eat |   2.8695652    1.914166          23
------------+------------------------------------
      Total |   2.8695652    1.914166          23

. anova pieces male_c

                          Number of obs =         65    R-squared     =  0.1576
                          Root MSE      =    1.64049    Adj R-squared =  0.1304

                  Source | Partial SS         df         MS        F    Prob>F
-----------+------------------------------------------------------------
                   Model |  31.205703          2   15.602852      5.80  0.0049
                         |
                  male_c |  31.205703          2   15.602852      5.80  0.0049
                         |
                Residual |  166.85584         62   2.6912231
-----------+------------------------------------------------------------
                   Total |  198.06154         64   3.0947115
```

```
.
. tab mmff if male_1 ==1, sum (overate)  // overate

The type of |        Summary of I overate
     groups |        Mean   Std. Dev.       Freq.
------------+------------------------------------
  Males eat |   3.3181818   2.7669196          22
------------+------------------------------------
      Total |   3.3181818   2.7669196          22

. tab mmff if male_1 ==0, sum (overate)

The type of |        Summary of I overate
     groups |        Mean   Std. Dev.       Freq.
------------+------------------------------------
  Males eat |   2.9565217   2.2858907          23
------------+------------------------------------
      Total |   2.9565217   2.2858907          23

. anova overate male_c

                          Number of obs =         64    R-squared     =  0.0049
                          Root MSE      =    2.54364    Adj R-squared = -0.0278

                  Source | Partial SS         df         MS        F     Prob>F
              -----------+----------------------------------------------------
                   Model |  1.9327576          2   .96637878      0.15  0.8616
                         |
                  male_c |  1.9327576          2   .96637878      0.15  0.8616
                         |
                Residual |  394.67662         61   6.4701085
              -----------+----------------------------------------------------
                   Total |  396.60938         63   6.2953869

.
. tab mmff if male_1 ==1, sum (felt_rushed)       // rushed

The type of |      Summary of I felt rushed
     groups |        Mean   Std. Dev.       Freq.
------------+------------------------------------
```

```
  Males eat |           2   1.8771813          22
------------+------------------------------------
      Total |           2   1.8771813          22

. tab mmff if male_1 ==0, sum (felt_rushed)

The type of |      Summary of I felt rushed
     groups |        Mean   Std. Dev.       Freq.
------------+------------------------------------
  Males eat |   1.7391304   1.4837726          23
------------+------------------------------------
      Total |   1.7391304   1.4837726          23

. anova felt_rushed male_c

                          Number of obs =         64    R-squared     =  0.0262
                          Root MSE      =     1.8606    Adj R-squared = -0.0057

                  Source | Partial SS         df         MS        F    Prob>F
              -----------+----------------------------------------------------
                   Model |  5.6877503          2   2.8438751      0.82  0.4446
                         |
                   male_c |  5.6877503          2   2.8438751      0.82  0.4446
                         |
                Residual |  211.17162         61   3.4618299
              -----------+----------------------------------------------------
                   Total |  216.85938         63   3.4422123

.
. tab mmff if male_1 ==1, sum (calories)  // calorie

            |  Summary of The amount of calories
The type of | that participants thought they ate
     groups |        Mean   Std. Dev.       Freq.
------------+------------------------------------
  Males eat |   384.21053    306.5093          19
------------+------------------------------------
      Total |   384.21053    306.5093          19

. tab mmff if male_1 ==0, sum (calories)
```

```
            |  Summary of The amount of calories
The type of | that participants thought they ate
     groups |        Mean   Std. Dev.       Freq.
------------+------------------------------------
  Males eat |   519.56522   300.65804          23
------------+------------------------------------
      Total |   519.56522   300.65804          23

. anova calories male_c

                          Number of obs =         57    R-squared     =  0.1019
                          Root MSE      =    285.292    Adj R-squared =  0.0687

                  Source | Partial SS         df         MS        F     Prob>F
              -----------+----------------------------------------------------
                   Model |  498871.37          2   249435.68      3.06  0.0549
                         |
                  male_c |  498871.37          2   249435.68      3.06  0.0549
                         |
                Residual |  4395132.1         54   81391.336
              -----------+----------------------------------------------------
                   Total |  4894003.5         56    87392.92

.
. tab mmff if male_1 ==1, sum (physic_uncomf)     // physically uncomfortable

            |     Summary of I am physically
The type of |             uncomfortable
     groups |        Mean   Std. Dev.       Freq.
------------+------------------------------------
  Males eat |   2.3181818   1.8615499          22
------------+------------------------------------
      Total |   2.3181818   1.8615499          22

. tab mmff if male_1 ==0, sum (physic_uncomf)

            |     Summary of I am physically
The type of |             uncomfortable
     groups |        Mean   Std. Dev.       Freq.
------------+------------------------------------
  Males eat |           2   1.1677484          23
```

```
------------+-----------------------------------
      Total |           2   1.1677484          23

. anova physic_uncomf male_c

                          Number of obs =         64    R-squared     =  0.0123
                          Root MSE      =    1.80849    Adj R-squared = -0.0201

                  Source | Partial SS         df         MS        F    Prob>F
              -----------+----------------------------------------------------
                   Model |  2.4904306          2   1.2452153      0.38  0.6850
                         |
                  male_c |  2.4904306          2   1.2452153      0.38  0.6850
                         |
                Residual |  199.50957         61   3.2706487
              -----------+----------------------------------------------------
                   Total |        202         63   3.2063492

.
. log close //closing the log file
      name:  <unnamed>
       log:  /Users/codydehaan/Desktop/Eating_Heavily.smcl
  log type:  text
 closed on:  24 Apr 2017, 20:21:43
-------------------------------------------------------------------------------------------------------------------------
```