name:  <unnamed>
log:  C:\Users\TA0VLW1\Desktop\WORKING\PROGRAMS\ReportTables\SAL_ASSOC.log
log type:  text
opened on:   1 Dec 2017, 14:53:15

*** USE DATA SET WITH DEPT DUMMIES (created 18Sep17) ********
use C:\Users\TA0VLW1\Desktop\WORKING\DATA\FINAL\FSS2015-16B

keep if assoc==1
(319 observations deleted)

generate blackhisp=0
replace blackhisp=1 if black==1 | hisp==1
(19 real changes made)

describe
Contains data from C:\Users\TA0VLW1\Desktop\WORKING\DATA\FINAL\FSS2015-16B.dta
obs:           256
vars:            38                          12 Nov 2017 16:09
size:        35,840

storage   display    value
variable name   type    format     label      variable label
------------------------------------------------------------------------------------
---
college         byte    %8.0g
dept            byte    %8.0g
age             double  %12.0g
female          byte    %8.0g
minority        byte    %8.0g
asian           byte    %8.0g
black           byte    %8.0g
hisp            byte    %8.0g
morrate         double  %12.0g
full            byte    %8.0g
assoc           byte    %8.0g
rkyrs           double  %12.0g
yrsniu          double  %12.0g
yrsoth          float   %9.0g
merit           double  %12.0g
saladj          byte    %8.0g
seadj           byte    %8.0g
profship        byte    %8.0g
RKST_FULL       byte    %8.0g
RKST_ASSOC      byte    %8.0g
CUPA_NAT        double  %12.0g
CUPA_NIU        double  %12.0g
CUPA_NATR       double  %12.0g
yearStart       int     %8.0g
quint           float   %9.0g
quintTOP        float   %9.0g
quint2ND        float   %9.0g
quintMID        float   %9.0g
quint4TH        float   %9.0g
**SAL_ASSOC**

<table>
<thead>
<tr>
<th>Variable</th>
<th>Obs</th>
<th>Mean</th>
<th>Std. Dev.</th>
<th>Min</th>
<th>Max</th>
</tr>
</thead>
<tbody>
<tr>
<td>control</td>
<td>256</td>
<td>121535</td>
<td>12477.87</td>
<td>102102</td>
<td>148137</td>
</tr>
<tr>
<td>college</td>
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<td>4.640625</td>
<td>1.931105</td>
<td>1</td>
<td>8</td>
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<tr>
<td>dept</td>
<td>256</td>
<td>26.23438</td>
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<td>1</td>
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<td>minority</td>
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<td>.4168443</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>asian</td>
<td>256</td>
<td>.1484375</td>
<td>.3562296</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>black</td>
<td>256</td>
<td>.0429688</td>
<td>.2031839</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>hisp</td>
<td>256</td>
<td>.03125</td>
<td>.1743335</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>morate</td>
<td>256</td>
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<td>.2356563</td>
<td>8.461135</td>
<td>9.787627</td>
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<tr>
<td>cupa000</td>
<td>256</td>
<td>9.358909</td>
<td>2.30175</td>
<td>6.348247</td>
<td>16.693</td>
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<tr>
<td>whmale</td>
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<td>.3828125</td>
<td>.4870253</td>
<td>0</td>
<td>1</td>
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<tr>
<td>RKST_ASSIST</td>
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<td>.1941232</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>assist</td>
<td>256</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>salstart</td>
<td>255</td>
<td>7921.563</td>
<td>3200.364</td>
<td>2022.67</td>
<td>20422.73</td>
</tr>
</tbody>
</table>

---

Sorted by: quint

Note: Dataset has changed since last saved.
. * T-TESTS OF EQUAL AVERAGE SALARIES
. keep if whmale==1 | female==1
(31 observations deleted)
. ttest morate, by(female)

Two-sample t test with equal variances

<table>
<thead>
<tr>
<th>Group</th>
<th>Obs</th>
<th>Mean</th>
<th>Std. Err.</th>
<th>Std. Dev.</th>
<th>[95% Conf. Interval]</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>98</td>
<td>8018.895</td>
<td>192.1737</td>
<td>1902.422</td>
<td>7637.483 8400.306</td>
</tr>
<tr>
<td>1</td>
<td>127</td>
<td>8164.736</td>
<td>225.196</td>
<td>2537.83</td>
<td>7719.079 8610.392</td>
</tr>
<tr>
<td>combined</td>
<td>225</td>
<td>8101.214</td>
<td>151.9551</td>
<td>2279.326</td>
<td>7801.77 8400.658</td>
</tr>
</tbody>
</table>

| diff | -145.8409 | 306.9974 | -750.8281 | 459.1464 |

diff = mean(0) - mean(1)  t = -0.4751  degrees of freedom = 223
Ho: diff = 0  Ha: diff < 0  Pr(T < t) = 0.3176  Pr(|T| > |t|) = 0.6352  Pr(T > t) = 0.6824

. clear all

. use C:\Users\TA0VLW1\Desktop\WORKING\DATA\FINAL\FSS2015-16B
. keep if whmale==1 | asian==1
(233 observations deleted)
. keep if assoc==1
(206 observations deleted)
. ttest morate, by(asian)

Two-sample t test with equal variances

<table>
<thead>
<tr>
<th>Group</th>
<th>Obs</th>
<th>Mean</th>
<th>Std. Err.</th>
<th>Std. Dev.</th>
<th>[95% Conf. Interval]</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>98</td>
<td>8018.895</td>
<td>192.1737</td>
<td>1902.422</td>
<td>7637.483 8400.306</td>
</tr>
<tr>
<td>1</td>
<td>38</td>
<td>8632.168</td>
<td>440.8797</td>
<td>2717.765</td>
<td>7738.861 9525.475</td>
</tr>
<tr>
<td>combined</td>
<td>136</td>
<td>8190.251</td>
<td>185.9225</td>
<td>2168.21</td>
<td>7822.553 8557.948</td>
</tr>
</tbody>
</table>

| diff | -613.2735 | 412.5037 | -1429.134 | 202.5869 |

diff = mean(0) - mean(1)  t = -1.4867  degrees of freedom = 134
Ho: diff = 0  Ha: diff < 0  Pr(T < t) = 0.0697  Pr(|T| > |t|) = 0.1394  Pr(T > t) = 0.9303

. clear all

. use C:\Users\TA0VLW1\Desktop\WORKING\DATA\FINAL\FSS2015-16B
. keep if whmale==1 | black==1
(296 observations deleted)
. keep if assoc==1
. ttest morate, by(black)

Two-sample t test with equal variances

<table>
<thead>
<tr>
<th>Group</th>
<th>Obs</th>
<th>Mean</th>
<th>Std. Err.</th>
<th>Std. Dev.</th>
<th>[95% Conf. Interval]</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>98</td>
<td>8018.895</td>
<td>192.1737</td>
<td>1902.422</td>
<td>7637.483  8400.306</td>
</tr>
<tr>
<td>1</td>
<td>11</td>
<td>7667.649</td>
<td>138.3259</td>
<td>458.775</td>
<td>7359.44  7975.858</td>
</tr>
<tr>
<td>combined</td>
<td>109</td>
<td>7983.448</td>
<td>173.506</td>
<td>1811.456</td>
<td>7639.529  8327.367</td>
</tr>
</tbody>
</table>

| diff | 351.2458 | 577.7005 | -793.978  | 1496.47   |

diff = mean(0) - mean(1)  
Ho: diff = 0  
degrees of freedom = 107

Pr(T < t) = 0.7278  
Pr(|T| > |t|) = 0.5445  
Pr(T > t) = 0.2722

. clear all

. use C:\Users\TAVLW1\Desktop\WORKING\DATA\FINAL\FSS2015-16B

. keep if whmale==1 | hisp==1
(301 observations deleted)

. keep if assoc==1
(168 observations deleted)

. ttest morate, by(hisp)

Two-sample t test with equal variances

<table>
<thead>
<tr>
<th>Group</th>
<th>Obs</th>
<th>Mean</th>
<th>Std. Err.</th>
<th>Std. Dev.</th>
<th>[95% Conf. Interval]</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>98</td>
<td>8018.895</td>
<td>192.1737</td>
<td>1902.422</td>
<td>7637.483  8400.306</td>
</tr>
<tr>
<td>1</td>
<td>8</td>
<td>9205.523</td>
<td>894.8348</td>
<td>2530.975</td>
<td>7089.574  11321.47</td>
</tr>
<tr>
<td>combined</td>
<td>106</td>
<td>8108.452</td>
<td>191.0671</td>
<td>1967.156</td>
<td>7729.601  8487.302</td>
</tr>
</tbody>
</table>

| diff | -1186.628 | 717.4197 | -2609.298 | 236.0425 |

diff = mean(0) - mean(1)  
Ho: diff = 0  
degrees of freedom = 104

Pr(T < t) = 0.0506  
Pr(|T| > |t|) = 0.1011  
Pr(T > t) = 0.9494

. clear all

. use C:\Users\TAVLW1\Desktop\WORKING\DATA\FINAL\FSS2015-16B

. gen blckhisp=0

. replace blckhisp=1 if black==1 | hisp==1
(43 real changes made)

. keep if whmale==1 | blckhisp==1
(277 observations deleted)
```
. keep if assoc==1
(181 observations deleted)
. ttest morate, by(blckhisp)

Two-sample t test with equal variances

<table>
<thead>
<tr>
<th>Group</th>
<th>Obs</th>
<th>Mean</th>
<th>Std. Err.</th>
<th>Std. Dev.</th>
<th>[95% Conf. Interval]</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>98</td>
<td>8018.895</td>
<td>192.1737</td>
<td>1902.422</td>
<td>7637.483  8400.306</td>
</tr>
<tr>
<td>1</td>
<td>19</td>
<td>8315.175</td>
<td>411.457</td>
<td>1793.499</td>
<td>7450.736  9179.614</td>
</tr>
</tbody>
</table>

| combined | 117 | 8067.009      | 173.8844  | 1880.847  | 7722.609  8411.409   |

| diff | 117 | -296.2798     | 472.7114  | -1232.63  | 640.0705 |

diff = mean(0) - mean(1)  degrees of freedom = 115
Ho: diff = 0  degrees of freedom = 115
Ha: diff < 0     Pr(T < t) = 0.2660     Pr(|T| > |t|) = 0.5321
Ha: diff != 0     Pr(T > t) = 0.7340
Ha: diff > 0

. clear all
.
. close output
```