

SALARY

```

name: <unnamed>
log: C:\Users\TAOVLW1\Desktop\WORKING\PROGRAMS\ReportTables\SALARY.log
log type: text
opened on: 12 Nov 2017, 15:55:09

```

```

**** USE DATA SET WITH DEPT DUMMIES (created 18Sep17) ****
use C:\Users\TAOVLW1\Desktop\WORKING\DATA\FINAL\FSS2015-16B

```

```
gen blkhi sp=0
```

```
replace blkhi sp=1 if blk==1 | hi sp==1
(43 real changes made)
```

```
describe
```

```

Contains data from C:\Users\TAOVLW1\Desktop\WORKING\DATA\FINAL\FSS2015-16B.dta
obs:          575
vars:          38                      12 Nov 2017 15:34
size:         80,500

```

variable name	storage type	display format	value label	variable label
control	long	%12.0g		
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		
hi sp	byte	%8.0g		
morate	double	%12.0g		
full	byte	%8.0g		
assoc	byte	%8.0g		
rkyrs	double	%12.0g		
yrsnu	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		
quintBOT	float	%9.0g		
lmorate	float	%9.0g		
cupa000	float	%9.0g		

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```
whmale      float    %9.0g
RKST_ASSIST float    %9.0g
assist      float    %9.0g
salstart    float    %9.0g
blckhisps   float    %9.0g
```

Sorted by: quint  
 Note: Dataset has changed since last saved.

. summarize

Variable	Obs	Mean	Std. Dev.	Min	Max
control	575	121888.3	12709.46	102101	148139
college	575	4.537391	1.950139	1	8
dept	575	25.37391	13.00138	1	45
age	575	50.00178	10.10232	27.26575	80.11507
female	575	.4313043	.4956896	0	1
minority	575	.2295652	.4209194	0	1
asian	575	.1513043	.3586573	0	1
black	575	.0417391	.2001666	0	1
hispanic	575	.0330435	.1789058	0	1
morate	575	8754.981	2560.947	4084	19444.46
full	575	.333913	.4720197	0	1
assoc	575	.4452174	.4974225	0	1
rkyrs	575	4.71827	4.919266	0	29
yrsniu	575	13.03161	8.601392	0	46.96986
yrsoth	575	2.29913	4.026816	0	33
merit	575	4.56711	1.324462	1.636667	9.666667
saladj	575	.0313043	.1742906	0	1
seadj	575	.0886957	.2845515	0	1
profship	575	.08	.2715294	0	1
RKST_FULL	575	.026087	.1595327	0	1
RKST_ASSOC	575	.0765217	.2660625	0	1
CUPA_NAT	575	9410.338	2287.929	6129.519	16705.33
CUPA_NIU	575	9516.085	2291.557	6348.247	16693
CUPA_NATR	575	9625.953	2622.314	5818.849	18179.78
yearstart	575	2003.031	8.594974	1969	2016
quint	575	2.963478	1.415588	1	5
quintTOP	575	.1930435	.3950305	0	1
quint2ND	575	.1982609	.3990369	0	1
quintMID	575	.1930435	.3950305	0	1
quint4TH	575	.2104348	.4079724	0	1
quintBOT	575	.2052174	.404212	0	1
lmorate	575	9.040346	.2650569	8.314832	9.875318
cupa000	575	9.516085	2.291557	6.348247	16.693
whmale	575	.4434783	.4972276	0	1
RKST_ASSIST	575	.8973913	.3037113	0	1
assist	575	.2208696	.4151939	0	1
salstart	570	8147.535	3902.547	1199.88	32521.98
blckhisps	575	.0747826	.2632693	0	1

. sum morate if whmale

Variable	Obs	Mean	Std. Dev.	Min	Max
morate	255	9081.878	2556.872	4573.34	19444.46

. sum morate if female

Variable	Obs	Mean	Std. Dev.	Min	Max
morate	248	8320.913	2542.545	4084	17812

. sum morate if asian

Variable	Obs	Mean	Std. Dev.	Min	Max
morate	87	9015.161	2746.375	4333.34	16443.94

. sum morate if black

Variable	Obs	Mean	Std. Dev.	Min	Max
morate	24	8111.789	1160.922	6662.72	11000

. sum morate if hisp

Variable	Obs	Mean	Std. Dev.	Min	Max
morate	19	8412.092	1865.664	6558.14	13159.1

. sum morate if blackhisp

Variable	Obs	Mean	Std. Dev.	Min	Max
morate	43	8244.481	1500.849	6558.14	13159.1

.  
 . \* T-TESTS OF EQUAL AVERAGE SALARIES  
 . keep if whmale==1 | female==1  
 (72 observations deleted)

. ttest morate, by(female)

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]
0	255	9081.878	160.1175	2556.872	8766.551 9397.205
1	248	8320.913	161.4518	2542.545	8002.915 8638.911
combined	503	8706.69	114.8398	2575.587	8481.065 8932.316
diff		760.9652	227.4036		314.183 1207.747

diff = mean(0) - mean(1) t = 3.3463  
 Ho: diff = 0 degrees of freedom = 501

Ha: diff < 0 Pr(T < t) = 0.9996  
 Ha: diff != 0 Pr(|T| > |t|) = 0.0009  
 Ha: diff > 0 Pr(T > t) = 0.0004

. clear all

. use C:\Users\TAOVLW1\Desktop\WORKING\DATA\FINAL\FSS2015-16B



		SALARY					
Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]		
0	255	9081.878	160.1175	2556.872	8766.551	9397.205	
1	19	8412.092	428.0127	1865.664	7512.87	9311.313	
combined		274	9035.433	152.1278	2518.164	8735.94	
diff			669.7864	598.5659		-508.6245	
diff = mean(0) - mean(1)						t = 1.1190	
Ho: diff = 0						degrees of freedom = 272	

Ha: diff < 0                      Ha: diff != 0                      Ha: diff > 0  
Pr(T < t) = 0.8679                      Pr(|T| > |t|) = 0.2641                      Pr(T > t) = 0.1321

```
. clear all

. use C:\Users\TAOVLW1\Desktop\WORKING\DATA\FINAL\FSS2015-16B

. gen blckhi sp=0

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

. keep if whmale==1 | blckhi sp==1
(277 observations deleted)

. ttest morate, by(blckhi sp)
```

Two-sample t test with equal variances

		SALARY					
Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]		
0	255	9081.878	160.1175	2556.872	8766.551	9397.205	
1	43	8244.481	228.8774	1500.849	7782.588	8706.374	
combined		298	8961.046	141.8536	2448.773	8681.88	
diff			837.397	401.4355		47.36767	
diff = mean(0) - mean(1)						t = 2.0860	
Ho: diff = 0						degrees of freedom = 296	

Ha: diff < 0                      Ha: diff != 0                      Ha: diff > 0  
Pr(T < t) = 0.9811                      Pr(|T| > |t|) = 0.0378                      Pr(T > t) = 0.0189

```
. clear all

. ***** CLOSE OUTPUT
. log close
.   name: <unnamed>
.   log: C:\Users\TAOVLW1\Desktop\WORKING\PROGRAMS\ReportTables\SALARY.log
.   log type: text
. closed on: 12 Nov 2017, 15:55:09
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