

Table 3-6 MeritByDept

```

-----
name: <unnamed>
log:
C: \Users\TA0VLW1\Desktop\Documents\FACULTY_SALARY_STUDY\WORKING\PROGRAMS\ReportTabl
> es\MeritByDept.log
log type: text
opened on: 9 Mar 2018, 16:55:53

. **** USE DATA SET ****
. use
C: \Users\TA0VLW1\Desktop\Documents\FACULTY_SALARY_STUDY\WORKING\DATA\FINAL\FSS2015-1
6C

. keep if morate~= . & merit~= . & yrsoth ~= .
(0 observations deleted)

```

. describe

Contains data from

```

C: \Users\TA0VLW1\Desktop\Documents\FACULTY_SALARY_STUDY\WORKING\DATA\FINAL\FSS
> S2015-16C.dta
obs: 575
vars: 81 22 Nov 2017 15:27
size: 106,950

```

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		
hispanic	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		

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cupa000	float	%9.0g	
whmale	float	%9.0g	
RKST_ASSIST	float	%9.0g	
assist	float	%9.0g	
salstart	float	%9.0g	
yrsmu2	float	%9.0g	
yrsoth2	float	%9.0g	
dept1	byte	%8.0g	dept== 1.0000
dept2	byte	%8.0g	dept== 2.0000
dept3	byte	%8.0g	dept== 3.0000
dept4	byte	%8.0g	dept== 4.0000
dept5	byte	%8.0g	dept== 5.0000
dept6	byte	%8.0g	dept== 6.0000
dept7	byte	%8.0g	dept== 7.0000
dept8	byte	%8.0g	dept== 8.0000
dept9	byte	%8.0g	dept== 9.0000
dept10	byte	%8.0g	dept== 10.0000
dept11	byte	%8.0g	dept== 11.0000
dept12	byte	%8.0g	dept== 13.0000
dept13	byte	%8.0g	dept== 14.0000
dept14	byte	%8.0g	dept== 15.0000
dept15	byte	%8.0g	dept== 16.0000
dept16	byte	%8.0g	dept== 17.0000
dept17	byte	%8.0g	dept== 18.0000
dept18	byte	%8.0g	dept== 19.0000
dept19	byte	%8.0g	dept== 20.0000
dept20	byte	%8.0g	dept== 21.0000
dept21	byte	%8.0g	dept== 22.0000
dept22	byte	%8.0g	dept== 23.0000
dept23	byte	%8.0g	dept== 24.0000
dept24	byte	%8.0g	dept== 25.0000
dept25	byte	%8.0g	dept== 26.0000
dept26	byte	%8.0g	dept== 27.0000
dept27	byte	%8.0g	dept== 28.0000
dept28	byte	%8.0g	dept== 29.0000
dept29	byte	%8.0g	dept== 30.0000
dept30	byte	%8.0g	dept== 31.0000
dept31	byte	%8.0g	dept== 32.0000
dept32	byte	%8.0g	dept== 34.0000
dept33	byte	%8.0g	dept== 35.0000
dept34	byte	%8.0g	dept== 36.0000
dept35	byte	%8.0g	dept== 38.0000
dept36	byte	%8.0g	dept== 39.0000
dept37	byte	%8.0g	dept== 40.0000
dept38	byte	%8.0g	dept== 41.0000
dept39	byte	%8.0g	dept== 42.0000
dept40	byte	%8.0g	dept== 43.0000
dept41	byte	%8.0g	dept== 44.0000
dept42	byte	%8.0g	dept== 45.0000

Sorted by: quint

. 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

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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
yrnsiu	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
quiet	575	2.963478	1.415588	1	5
quietTOP	575	.1930435	.3950305	0	1
quiet2ND	575	.1982609	.3990369	0	1
quietMID	575	.1930435	.3950305	0	1
quiet4TH	575	.2104348	.4079724	0	1
quietBOT	575	.2052174	.404212	0	1
l morate	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
yrnsiu2	575	243.6781	281.4372	0	2206.168
yrsoth2	575	21.47304	72.00897	0	1089
dept1	575	.0295652	.169532	0	1
dept2	575	.0121739	.1097573	0	1
dept3	575	.0191304	.1371027	0	1
dept4	575	.013913	.1172321	0	1
dept5	575	.0121739	.1097573	0	1
dept6	575	.013913	.1172321	0	1
dept7	575	.0208696	.1430721	0	1
dept8	575	.0191304	.1371027	0	1
dept9	575	.0226087	.1487819	0	1
dept10	575	.0191304	.1371027	0	1
dept11	575	.0191304	.1371027	0	1
dept12	575	.0156522	.1242338	0	1
dept13	575	.0173913	.1308381	0	1
dept14	575	.0086957	.092925	0	1
dept15	575	.0156522	.1242338	0	1
dept16	575	.0295652	.169532	0	1
dept17	575	.026087	.1595327	0	1
dept18	575	.0173913	.1308381	0	1
dept19	575	.0243478	.1542608	0	1

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dept20	575	.0156522	.1242338	0	1
dept21	575	.0365217	.1877477	0	1
dept22	575	.0208696	.1430721	0	1
dept23	575	.0347826	.1833883	0	1
dept24	575	.0156522	.1242338	0	1
dept25	575	.0156522	.1242338	0	1
dept26	575	.0434783	.2041087	0	1
dept27	575	.026087	.1595327	0	1
dept28	575	.0191304	.1371027	0	1
dept29	575	.0191304	.1371027	0	1
dept30	575	.0434783	.2041087	0	1
dept31	575	.0382609	.1919924	0	1
dept32	575	.0173913	.1308381	0	1
dept33	575	.0347826	.1833883	0	1
dept34	575	.0173913	.1308381	0	1
dept35	575	.0434783	.2041087	0	1
dept36	575	.0121739	.1097573	0	1
dept37	575	.0226087	.1487819	0	1
dept38	575	.0086957	.092925	0	1
dept39	575	.0330435	.1789058	0	1
dept40	575	.053913	.2260427	0	1
dept41	575	.0469565	.2117299	0	1
dept42	575	.0243478	.1542608	0	1

```

. sort dept
. *ssc install egenmore
. egen quintD = xtile(merit), by(dept) nq(5)
. summarize merit quint quintD

```

Variable	Obs	Mean	Std. Dev.	Min	Max
merit	575	4.56711	1.324462	1.636667	9.666667
quint	575	2.963478	1.415588	1	5
quintD	575	2.85913	1.396605	1	5

```

. gen quintDTOP=0
. replace quintDTOP=1 if quintD==5
(92 real changes made)
. gen quintD2ND=0
. replace quintD2ND=1 if quintD==4
(117 real changes made)
. gen quintDMI D=0
. replace quintDMI D=1 if quintD==3
(116 real changes made)
. gen quintD4TH=0
. replace quintD4TH=1 if quintD==2
(118 real changes made)

```

Table 3-6 MeritByDept

. gen quintDBOT=0

. replace quintDBOT=1 if quintD==1  
(132 real changes made)

. \* To illustrate the difference between college-level quintiles and department-level quintiles,

. \* the information below shows the college- and department-level quintiles for the Department of

> f Economics

. summarize merit quint quintD if dept==26

Variable	Obs	Mean	Std. Dev.	Min	Max
merit	9	4.202889	.2204033	3.77	4.455
quint	9	2.888889	.781736	2	4
quintD	9	2.777778	1.394433	1	5

. tab quint quintD if dept==26

quint	quintD					Total
	1	2	3	4	5	
2	2	1	0	0	0	3
3	0	1	2	1	0	4
4	0	0	0	1	1	2
Total	2	2	2	2	1	9

. tab2 quintTOP quintDTOP quintBOT quintDBOT

-> tabulation of quintTOP by quintDTOP

quintTOP	quintDTOP		Total
	0	1	
0	424	40	464
1	59	52	111
Total	483	92	575

-> tabulation of quintTOP by quintBOT

quintTOP	quintBOT		Total
	0	1	
0	346	118	464
1	111	0	111
Total	457	118	575

-> tabulation of quintTOP by quintDBOT

quintTOP	quintDBOT		Total
	0	1	
0	332	132	464
1	111	0	111
Total	443	132	575

Table 3-6 MeritByDept

Total	443	132	575
-------	-----	-----	-----

-> tabulation of qui ntDTOP by qui ntBOT

qui ntDTOP	qui ntBOT		Total
	0	1	
0	365	118	483
1	92	0	92
Total	457	118	575

-> tabulation of qui ntDTOP by qui ntDBOT

qui ntDTOP	qui ntDBOT		Total
	0	1	
0	351	132	483
1	92	0	92
Total	443	132	575

-> tabulation of qui ntBOT by qui ntDBOT

qui ntBOT	qui ntDBOT		Total
	0	1	
0	411	46	457
1	32	86	118
Total	443	132	575

. by qui nt, sort: summarize merit

-> qui nt = 1

Vari able	Obs	Mean	Std. Dev.	Min	Max
merit	118	3.589436	.9505555	1.636667	6.795

-> qui nt = 2

Vari able	Obs	Mean	Std. Dev.	Min	Max
merit	121	4.281734	1.130781	3.512667	8.1

-> qui nt = 3

Vari able	Obs	Mean	Std. Dev.	Min	Max
merit	111	4.669407	1.221674	3.825	8.6

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-----  
 ----  
 -> quint = 4

Variable	Obs	Mean	Std. Dev.	Min	Max
merit	114	5.022092	1.310226	4.1525	8.9

-----  
 ----  
 -> quint = 5

Variable	Obs	Mean	Std. Dev.	Min	Max
merit	111	5.347946	1.259555	4.588	9.666667

. by quintD, sort: summarize merit

-----  
 ----  
 -> quintD = 1

Variable	Obs	Mean	Std. Dev.	Min	Max
merit	132	3.793449	1.161685	1.636667	8.35

-----  
 ----  
 -> quintD = 2

Variable	Obs	Mean	Std. Dev.	Min	Max
merit	118	4.392384	1.16586	3.166667	8.4

-----  
 ----  
 -> quintD = 3

Variable	Obs	Mean	Std. Dev.	Min	Max
merit	116	4.717916	1.250252	3.55	9

-----  
 ----  
 -> quintD = 4

Variable	Obs	Mean	Std. Dev.	Min	Max
merit	117	5.007632	1.341091	3.681667	9.166667

-----  
 ----  
 -> quintD = 5

Variable	Obs	Mean	Std. Dev.	Min	Max
merit	92	5.150871	1.255316	3.858333	9.666667

. summarize quintTOP quintDTOP quint2ND quintD2ND quintMID quintDMID quint4TH  
 quintD4TH quintBOT

Table 3-6 MeritByDept

> qui ntDBOT

Vari able	Obs	Mean	Std. Dev.	Min	Max
qui ntTOP	575	. 1930435	. 3950305	0	1
qui ntDTOP	575	. 16	. 3669253	0	1
qui nt2ND	575	. 1982609	. 3990369	0	1
qui ntD2ND	575	. 2034783	. 4029357	0	1
qui ntMI D	575	. 1930435	. 3950305	0	1
qui ntDMI D	575	. 2017391	. 4016479	0	1
qui nt4TH	575	. 2104348	. 4079724	0	1
qui ntD4TH	575	. 2052174	. 404212	0	1
qui ntBOT	575	. 2052174	. 404212	0	1
qui ntDBOT	575	. 2295652	. 4209194	0	1

. save

C: \Users\TAOVLW1\Desktop\Documents\FACULTY\_SALARY\_STUDY\WORKI NG\DATA\FI NAL\FSS2015-16C, r

> epl ace

fi le

C: \Users\TAOVLW1\Desktop\Documents\FACULTY\_SALARY\_STUDY\WORKI NG\DATA\FI NAL\FSS2015-16C. dta

> saved

. summarize qui ntTOP qui ntDTOP qui ntBOT qui ntDBOT sal adj seadj profshi p

Vari able	Obs	Mean	Std. Dev.	Min	Max
qui ntTOP	575	. 1930435	. 3950305	0	1
qui ntDTOP	575	. 16	. 3669253	0	1
qui ntBOT	575	. 2052174	. 404212	0	1
qui ntDBOT	575	. 2295652	. 4209194	0	1
sal adj	575	. 0313043	. 1742906	0	1
seadj	575	. 0886957	. 2845515	0	1
profshi p	575	. 08	. 2715294	0	1

. by qui ntTOP, sort: summarize morate

-> qui ntTOP = 0

Vari able	Obs	Mean	Std. Dev.	Min	Max
morate	464	8713. 886	2596. 64	4084	19444. 46

-> qui ntTOP = 1

Vari able	Obs	Mean	Std. Dev.	Min	Max
morate	111	8926. 764	2409. 631	4573. 34	16303

. by qui ntBOT, sort: summarize morate

-> qui ntBOT = 0



Table 3-6 MeritByDept

Variabl e	Obs	Mean	Std. Dev.	Min	Max
morate	457	8755.715	2517.815	4084	19444.46

-> qui ntBOT = 1

Variabl e	Obs	Mean	Std. Dev.	Min	Max
morate	118	8752.137	2732.81	4333.34	17801.28

. by qui ntDTOP, sort: summarize morate

-> qui ntDTOP = 0

Variabl e	Obs	Mean	Std. Dev.	Min	Max
morate	483	8648.891	2536.524	4084	19444.46

-> qui ntDTOP = 1

Variabl e	Obs	Mean	Std. Dev.	Min	Max
morate	92	9311.954	2629.938	4573.34	16443.94

. by qui ntDBOT, sort: summarize morate

-> qui ntDBOT = 0

Variabl e	Obs	Mean	Std. Dev.	Min	Max
morate	443	8769.844	2525.886	4084	19444.46

-> qui ntDBOT = 1

Variabl e	Obs	Mean	Std. Dev.	Min	Max
morate	132	8705.097	2684.59	4333.34	17777.78

. by sal adj, sort: summarize morate

-> sal adj = 0

Variabl e	Obs	Mean	Std. Dev.	Min	Max
morate	557	8742.857	2569.913	4084	19444.46

Table 3-6 MeritByDept

-----  
-> saladj = 1

Variable	Obs	Mean	Std. Dev.	Min	Max
morate	18	9130.132	2299.104	6216.14	15876

. by seadj, sort: summarize morate

-----  
-> seadj = 0

Variable	Obs	Mean	Std. Dev.	Min	Max
morate	524	8658.113	2629.183	4084	19444.46

-----  
-> seadj = 1

Variable	Obs	Mean	Std. Dev.	Min	Max
morate	51	9750.245	1369.855	7331.54	13064.54

. by profship, sort: summarize morate if full==1

-----  
-> profship = 0

Variable	Obs	Mean	Std. Dev.	Min	Max
morate	146	10089.44	2378.154	5403.8	16618.86

-----  
-> profship = 1

Variable	Obs	Mean	Std. Dev.	Min	Max
morate	46	11051.57	2048.855	8537.92	19444.46

. \* WHITE MALE FACULTY MEMBERS ONLY  
. keep if whmale==1  
(320 observations deleted)

. summarize qui ntTOP qui ntDTOP qui ntBOT qui ntDBOT saladj seadj profship

Variable	Obs	Mean	Std. Dev.	Min	Max
qui ntTOP	255	.1882353	.3916687	0	1
qui ntDTOP	255	.172549	.3786	0	1
qui ntBOT	255	.2039216	.4037037	0	1
qui ntDBOT	255	.2392157	.4274436	0	1
saladj	255	.0235294	.1518757	0	1
seadj	255	.1098039	.31326	0	1
profship	255	.1098039	.31326	0	1

Table 3-6 MeritByDept

```
. clear all

. * FEMALE FACULTY MEMBERS
. use
C:\Users\TAOVLW1\Desktop\Documents\FACULTY_SALARY_STUDY\WORKING\DATA\FINAL\FSS2015-16C

. keep if whmale==1 | female==1
(72 observations deleted)

. by quintTOP, sort: ttest morate, by(female)
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---

```
-> quintTOP = 0
```

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
0	207	8996.494	171.3334	2465.058	8658.702	9334.285
1	195	8334.326	196.6502	2746.071	7946.479	8722.173
combined	402	8675.293	130.8184	2622.901	8418.117	8932.468
diff		662.1678	259.9807		151.0684	1173.267

diff = mean(0) - mean(1)      t = 2.5470  
Ho: diff = 0      degrees of freedom = 400

Ha: diff < 0      Pr(T < t) = 0.9944  
Ha: diff != 0      Pr(|T| > |t|) = 0.0112  
Ha: diff > 0      Pr(T > t) = 0.0056

---

```
-> quintTOP = 1
```

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
0	48	9450.097	421.4813	2920.108	8602.187	10298.01
1	53	8271.562	220.2059	1603.123	7829.687	8713.438
combined	101	8831.658	237.4359	2386.201	8360.592	9302.724
diff		1178.535	462.9372		259.9674	2097.103

diff = mean(0) - mean(1)      t = 2.5458  
Ho: diff = 0      degrees of freedom = 99

Ha: diff < 0      Pr(T < t) = 0.9938  
Ha: diff != 0      Pr(|T| > |t|) = 0.0124  
Ha: diff > 0      Pr(T > t) = 0.0062

```
. by quintBOT, sort: ttest morate, by(female)
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---

```
-> quintBOT = 0
```

Two-sample t test with equal variances

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Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
0	203	9154.286	180.0979	2566.001	8799.173	9509.399
1	198	8254.878	169.0119	2378.208	7921.573	8588.183
combined	401	8710.189	125.4749	2512.633	8463.517	8956.862
diff		899.4081	247.2166		413.3982	1385.418
diff = mean(0) - mean(1)					t =	3.6381
Ho: diff = 0					degrees of freedom =	399
Ha: diff < 0		Ha: diff != 0		Ha: diff > 0		
Pr(T < t) = 0.9998		Pr( T  >  t ) = 0.0003		Pr(T > t) = 0.0002		

-> quintBOT = 1

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
0	52	8799.208	350.2255	2525.512	8096.101	9502.315
1	50	8582.41	441.8193	3124.134	7694.541	9470.28
combined	102	8692.935	279.49	2822.711	8138.501	9247.368
diff		216.7973	561.4576		-897.1187	1330.713
diff = mean(0) - mean(1)					t =	0.3861
Ho: diff = 0					degrees of freedom =	100
Ha: diff < 0		Ha: diff != 0		Ha: diff > 0		
Pr(T < t) = 0.6499		Pr( T  >  t ) = 0.7002		Pr(T > t) = 0.3501		

. by quintDTOP, sort: ttest morate, by(female)

-> quintDTOP = 0

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
0	211	8925.596	167.9168	2439.133	8594.577	9256.615
1	214	8296.912	181.6056	2656.661	7938.937	8654.886
combined	425	8609.035	124.5342	2567.339	8364.254	8853.816
diff		628.6841	247.4884		142.224	1115.144
diff = mean(0) - mean(1)					t =	2.5403
Ho: diff = 0					degrees of freedom =	423
Ha: diff < 0		Ha: diff != 0		Ha: diff > 0		
Pr(T < t) = 0.9943		Pr( T  >  t ) = 0.0114		Pr(T > t) = 0.0057		

-> quintDTOP = 1

Table 3-6 MeritByDept

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
0	44	9831.321	448.9324	2977.881	8925.962	10736.68
1	34	8471.977	287.1566	1674.396	7887.753	9056.202
combined	78	9238.786	291.1942	2571.758	8658.945	9818.628
diff		1359.344	570.1478		223.7962	2494.892

diff = mean(0) - mean(1) t = 2.3842  
 Ho: diff = 0 degrees of freedom = 76

Ha: diff < 0 Ha: diff != 0 Ha: diff > 0  
 Pr(T < t) = 0.9902 Pr(|T| > |t|) = 0.0196 Pr(T > t) = 0.0098

. by quintDBOT, sort: ttest morate, by(female)

-> quintDBOT = 0

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
0	194	9142.416	184.1315	2564.654	8779.248	9505.584
1	192	8353.487	180.8518	2505.957	7996.764	8710.211
combined	386	8749.995	130.4507	2562.95	8493.51	9006.48
diff		788.9288	258.1236		281.4162	1296.441

diff = mean(0) - mean(1) t = 3.0564  
 Ho: diff = 0 degrees of freedom = 384

Ha: diff < 0 Ha: diff != 0 Ha: diff > 0  
 Pr(T < t) = 0.9988 Pr(|T| > |t|) = 0.0024 Pr(T > t) = 0.0012

-> quintDBOT = 1

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
0	61	8889.347	325.647	2543.384	8237.956	9540.738
1	56	8209.229	358.7461	2684.61	7490.286	8928.172
combined	117	8563.821	242.4859	2622.886	8083.547	9044.094
diff		680.1183	483.3784		-277.3612	1637.598

diff = mean(0) - mean(1) t = 1.4070  
 Ho: diff = 0 degrees of freedom = 115

Ha: diff < 0 Ha: diff != 0 Ha: diff > 0  
 Pr(T < t) = 0.9189 Pr(|T| > |t|) = 0.1621 Pr(T > t) = 0.0811

. by saladj, sort: ttest morate, by(female)

Table 3-6 Meri tByDept

-----  
 -> sal adj = 0

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
0	249	9027.223	160.7608	2536.763	8710.592	9343.854
1	238	8348.843	167.7807	2588.395	8018.311	8679.375
combined	487	8695.694	116.997	2581.898	8465.812	8925.577
diff		678.3804	232.2611		222.0182	1134.743
diff = mean(0) - mean(1)					t =	2.9208
Ho: diff = 0					degrees of freedom =	485
Ha: diff < 0		Ha: diff != 0		Ha: diff > 0		
Pr(T < t) = 0.9982		Pr( T  >  t ) = 0.0037		Pr(T > t) = 0.0018		

-----  
 -> sal adj = 1

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
0	6	11350.06	1049.055	2569.651	8653.377	14046.74
1	10	7656.182	218.2146	690.0551	7162.546	8149.818
combined	16	9041.386	607.1411	2428.564	7747.296	10335.48
diff		3693.878	842.91		1886.016	5501.74
diff = mean(0) - mean(1)					t =	4.3823
Ho: diff = 0					degrees of freedom =	14
Ha: diff < 0		Ha: diff != 0		Ha: diff > 0		
Pr(T < t) = 0.9997		Pr( T  >  t ) = 0.0006		Pr(T > t) = 0.0003		

. by seadj, sort: ttest morate, by(female)

-----  
 -> seadj = 0

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
0	227	8963.645	175.1361	2638.692	8618.537	9308.754
1	230	8235.112	171.6728	2603.547	7896.852	8573.372
combined	457	8596.987	123.6558	2643.459	8353.981	8839.993
diff		728.5335	245.2215		246.6263	1210.441
diff = mean(0) - mean(1)					t =	2.9709
Ho: diff = 0					degrees of freedom =	455

Table 3-6 MeritByDept  
 Ha: di ff != 0  
 Pr(|T| > |t|) = 0.0031

Ha: di ff < 0  
 Pr(T < t) = 0.9984

Ha: di ff > 0  
 Pr(T > t) = 0.0016

-> seadj = 1

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
0	28	10040.41	277.1761	1466.678	9471.688	10609.12
1	18	9417.258	262.8709	1115.267	8862.649	9971.867
combined	46	9796.566	200.8201	1362.028	9392.093	10201.04
di ff		623.1487	405.3879		-193.8569	1440.154
di ff = mean(0) - mean(1)				t =	1.5372	
Ho: di ff = 0				degrees of freedom =	44	

Ha: di ff < 0  
 Pr(T < t) = 0.9343

Ha: di ff != 0  
 Pr(|T| > |t|) = 0.1314

Ha: di ff > 0  
 Pr(T > t) = 0.0657

. by profship, sort: ttest morate if full==1, by(female)

-> profship = 0

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
0	84	10360.96	265.6607	2434.821	9832.574	10889.35
1	43	9745.527	350.6751	2299.53	9037.836	10453.22
combined	127	10152.59	212.8415	2398.602	9731.38	10573.79
di ff		615.4349	448.1933		-271.5953	1502.465
di ff = mean(0) - mean(1)				t =	1.3731	
Ho: di ff = 0				degrees of freedom =	125	

Ha: di ff < 0  
 Pr(T < t) = 0.9139

Ha: di ff != 0  
 Pr(|T| > |t|) = 0.1722

Ha: di ff > 0  
 Pr(T > t) = 0.0861

-> profship = 1

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
0	28	11388.14	406.0341	2148.53	10555.03	12221.26
1	13	10319.79	506.3832	1825.791	9216.475	11423.1
combined	41	11049.4	326.4482	2090.289	10389.62	11709.17
di ff		1068.353	689.5653		-326.4245	2463.13
di ff = mean(0) - mean(1)				t =	1.5493	

Table 3-6 MeritByDept

Ho: diff = 0 degrees of freedom = 39  
 Ha: diff < 0 Pr(T < t) = 0.9353  
 Ha: diff != 0 Pr(|T| > |t|) = 0.1294  
 Ha: diff > 0 Pr(T > t) = 0.0647

. keep if female==1  
 (255 observations deleted)

. summarize qui ntTOP qui ntDTOP qui ntBOT qui ntDBOT sal adj seadj profship

Variable	Obs	Mean	Std. Dev.	Min	Max
qui ntTOP	248	.2137097	.4107532	0	1
qui ntDTOP	248	.1370968	.344645	0	1
qui ntBOT	248	.2016129	.4020159	0	1
qui ntDBOT	248	.2258065	.4189578	0	1
sal adj	248	.0403226	.1971125	0	1
seadj	248	.0725806	.2599716	0	1
profship	248	.0524194	.2233219	0	1

. by qui ntTOP, sort: summarize morate

-> qui ntTOP = 0

Variable	Obs	Mean	Std. Dev.	Min	Max
morate	195	8334.326	2746.071	4084	17812

-> qui ntTOP = 1

Variable	Obs	Mean	Std. Dev.	Min	Max
morate	53	8271.562	1603.123	5666.68	13159.1

. by qui ntBOT, sort: summarize morate

-> qui ntBOT = 0

Variable	Obs	Mean	Std. Dev.	Min	Max
morate	198	8254.878	2378.208	4084	17812

-> qui ntBOT = 1

Variable	Obs	Mean	Std. Dev.	Min	Max
morate	50	8582.41	3124.134	4333.34	17801.28

. by qui ntDTOP, sort: summarize morate



Table 3-6 MeritByDept

-----  
 -> qui ntDTOP = 0

Variable	Obs	Mean	Std. Dev.	Min	Max
morate	214	8296.912	2656.661	4084	17812

-----  
 -> qui ntDTOP = 1

Variable	Obs	Mean	Std. Dev.	Min	Max
morate	34	8471.977	1674.396	5666.68	14280.26

. by qui ntDBOT, sort: summarize morate

-----  
 -> qui ntDBOT = 0

Variable	Obs	Mean	Std. Dev.	Min	Max
morate	192	8353.487	2505.957	4084	17812

-----  
 -> qui ntDBOT = 1

Variable	Obs	Mean	Std. Dev.	Min	Max
morate	56	8209.229	2684.61	4333.34	17777.78

. by sal adj, sort: summarize morate

-----  
 -> sal adj = 0

Variable	Obs	Mean	Std. Dev.	Min	Max
morate	238	8348.843	2588.395	4084	17812

-----  
 -> sal adj = 1

Variable	Obs	Mean	Std. Dev.	Min	Max
morate	10	7656.182	690.0551	6216.14	8794.14

. by seadj, sort: summarize morate

-----  
 -> seadj = 0

Variable	Obs	Mean	Std. Dev.	Min	Max
morate	230	8235.112	2603.547	4084	17812

Table 3-6 MeritByDept

```
-----
-> seadj = 1
```

Variable	Obs	Mean	Std. Dev.	Min	Max
morate	18	9417.258	1115.267	7338.98	11813.86

```
. by profship, sort: summarize morate if full==1
```

```
-----
-> profship = 0
```

Variable	Obs	Mean	Std. Dev.	Min	Max
morate	43	9745.527	2299.53	5603.22	16321.5

```
-----
-> profship = 1
```

Variable	Obs	Mean	Std. Dev.	Min	Max
morate	13	10319.79	1825.791	8537.92	15681.02

```
. clear all
```

```
. * ASIAN FACULTY MEMBERS ONLY
. use
C:\Users\TAOVLW1\Desktop\Documents\FACULTY_SALARY_STUDY\WORKING\DATA\FINAL\FSS2015-16C
```

```
. keep if whmale==1 | asian==1
(233 observations deleted)
```

```
. by quintTOP, sort: ttest morate, by(asian)
```

```
-----
-> quintTOP = 0
```

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]
0	207	8996.494	171.3334	2465.058	8658.702 9334.285
1	67	9045.431	354.1167	2898.57	8338.414 9752.448
combined	274	9008.46	155.3995	2572.32	8702.526 9314.394
diff		-48.93732	362.2097		-762.0281 664.1535

```
diff = mean(0) - mean(1) t = -0.1351
Ho: diff = 0 degrees of freedom = 272
```

```
Ha: diff < 0 Pr(T < t) = 0.4463
Ha: diff != 0 Pr(|T| > |t|) = 0.8926
Ha: diff > 0 Pr(T > t) = 0.5537
```

Table 3-6 MeritByDept

-> quintTOP = 1

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
0	48	9450.097	421.4813	2920.108	8602.187	10298.01
1	20	8913.757	497.0482	2222.867	7873.423	9954.091
combined	68	9292.35	330.8518	2728.274	8631.967	9952.733
diff		536.3405	728.6127		-918.3818	1991.063

diff = mean(0) - mean(1) t = 0.7361  
 Ho: diff = 0 degrees of freedom = 66

Ha: diff < 0 Ha: diff != 0 Ha: diff > 0  
 Pr(T < t) = 0.7679 Pr(|T| > |t|) = 0.4643 Pr(T > t) = 0.2321

. by quintBOT, sort: ttest morate, by(asian)

-> quintBOT = 0

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
0	203	9154.286	180.0979	2566.001	8799.173	9509.399
1	70	9008.787	325.4968	2723.302	8359.439	9658.136
combined	273	9116.979	157.5367	2602.934	8806.832	9427.125
diff		145.499	361.3411		-565.8936	856.8915

diff = mean(0) - mean(1) t = 0.4027  
 Ho: diff = 0 degrees of freedom = 271

Ha: diff < 0 Ha: diff != 0 Ha: diff > 0  
 Pr(T < t) = 0.6562 Pr(|T| > |t|) = 0.6875 Pr(T > t) = 0.3438

-> quintBOT = 1

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
0	52	8799.208	350.2255	2525.512	8096.101	9502.315
1	17	9041.407	709.4872	2925.291	7537.361	10545.45
combined	69	8858.88	314.1171	2609.253	8232.069	9485.691
diff		-242.1994	733.8018		-1706.874	1222.475

diff = mean(0) - mean(1) t = -0.3301  
 Ho: diff = 0 degrees of freedom = 67

Ha: diff < 0 Ha: diff != 0 Ha: diff > 0

Table 3-6 MeritByDept

Pr(T < t) = 0.3712

Pr(|T| > |t|) = 0.7424

Pr(T > t) = 0.6288

. by quintDTOP, sort: ttest morate, by(asian)

-> quintDTOP = 0

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]
0	211	8925.596	167.9168	2439.133	8594.577 9256.615
1	68	9008.65	332.3044	2740.252	8345.368 9671.932
combined	279	8945.839	150.3297	2511	8649.91 9241.768
diff		-83.05398	350.7452		-773.5188 607.4108

diff = mean(0) - mean(1) t = -0.2368  
 Ho: diff = 0 degrees of freedom = 277

Ha: diff < 0  
 Pr(T < t) = 0.4065

Ha: diff != 0  
 Pr(|T| > |t|) = 0.8130

Ha: diff > 0  
 Pr(T > t) = 0.5935

-> quintDTOP = 1

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]
0	44	9831.321	448.9324	2977.881	8925.962 10736.68
1	19	9038.464	652.3604	2843.573	7667.906 10409.02
combined	63	9592.205	370.1629	2938.077	8852.26 10332.15
diff		792.8567	806.7706		-820.3808 2406.094

diff = mean(0) - mean(1) t = 0.9828  
 Ho: diff = 0 degrees of freedom = 61

Ha: diff < 0  
 Pr(T < t) = 0.8352

Ha: diff != 0  
 Pr(|T| > |t|) = 0.3296

Ha: diff > 0  
 Pr(T > t) = 0.1648

. by quintDBOT, sort: ttest morate, by(asian)

-> quintDBOT = 0

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]
0	194	9142.416	184.1315	2564.654	8779.248 9505.584
1	70	8948.238	319.0101	2669.03	8311.83 9584.646
combined	264	9090.929	159.3445	2589.041	8777.176 9404.683
diff		194.1777	361.4758		-517.5898 905.9452

Table 3-6 MeritByDept

diff = mean(0) - mean(1) t = 0.5372  
 Ho: diff = 0 degrees of freedom = 262  
 Ha: diff < 0 Pr(T < t) = 0.7042  
 Ha: diff != 0 Pr(|T| > |t|) = 0.5916  
 Ha: diff > 0 Pr(T > t) = 0.2958

-> quintDBOT = 1

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
0	61	8889.347	325.647	2543.384	8237.956	9540.738
1	17	9290.726	756.1516	3117.693	7687.756	10893.7
combined	78	8976.827	301.4534	2662.364	8376.557	9577.098
diff		-401.3787	733.5169		-1862.304	1059.547

diff = mean(0) - mean(1) t = -0.5472  
 Ho: diff = 0 degrees of freedom = 76  
 Ha: diff < 0 Pr(T < t) = 0.2929  
 Ha: diff != 0 Pr(|T| > |t|) = 0.5858  
 Ha: diff > 0 Pr(T > t) = 0.7071

. by saladj, sort: ttest morate, by(asian)

-> saladj = 0

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
0	249	9027.223	160.7608	2536.763	8710.592	9343.854
1	85	8995.751	301.028	2775.341	8397.124	9594.378
combined	334	9019.214	142.01	2595.327	8739.864	9298.563
diff		31.47215	326.515		-610.827	673.7713

diff = mean(0) - mean(1) t = 0.0964  
 Ho: diff = 0 degrees of freedom = 332  
 Ha: diff < 0 Pr(T < t) = 0.5384  
 Ha: diff != 0 Pr(|T| > |t|) = 0.9233  
 Ha: diff > 0 Pr(T > t) = 0.4616

-> saladj = 1

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
0	6	11350.06	1049.055	2569.651	8653.377	14046.74
1	2	9840.1	358.42	506.8824	5285.942	14394.26
combined	8	10972.57	809.4577	2289.492	9058.507	12886.63

Table 3-6 MeritByDept

```

diff |          1509.96      1922.743      -3194.822      6214.742
-----
diff = mean(0) - mean(1)
Ho: diff = 0
degrees of freedom = 6

```

```

Ha: diff < 0      Ha: diff != 0      Ha: diff > 0
Pr(T < t) = 0.7689  Pr(|T| > |t|) = 0.4621  Pr(T > t) = 0.2311

```

. by seadj, sort: ttest morate, by(asian)

-> seadj = 0

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]
0	227	8963.645	175.1361	2638.692	8618.537 9308.754
1	83	8977.254	306.9601	2796.54	8366.612 9587.895
combined	310	8967.289	152.0597	2677.288	8668.085 9266.492
diff		-13.6086	343.9749		-690.4466 663.2294

```

diff = mean(0) - mean(1)
Ho: diff = 0
degrees of freedom = 308

```

```

Ha: diff < 0      Ha: diff != 0      Ha: diff > 0
Pr(T < t) = 0.4842  Pr(|T| > |t|) = 0.9685  Pr(T > t) = 0.5158

```

-> seadj = 1

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]
0	28	10040.41	277.1761	1466.678	9471.688 10609.12
1	4	9801.735	630.8228	1261.646	7794.175 11809.29
combined	32	10010.57	252.1191	1426.201	9496.372 10524.77
diff		238.6714	773.7119		-1341.459 1818.802

```

diff = mean(0) - mean(1)
Ho: diff = 0
degrees of freedom = 30

```

```

Ha: diff < 0      Ha: diff != 0      Ha: diff > 0
Pr(T < t) = 0.6201  Pr(|T| > |t|) = 0.7599  Pr(T > t) = 0.3799

```

. by profship, sort: ttest morate if full==1, by(asian)

-> profship = 0

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]
0	84	10360.96	265.6607	2434.821	9832.574 10889.35

Table 3-6 MeritByDept

1	19	10053.38	615.6677	2683.633	8759.913	11346.85
combined	103	10304.22	243.5447	2471.709	9821.155	10787.29
diff		307.5792	630.2711		-942.7092	1557.868

diff = mean(0) - mean(1) t = 0.4880  
 Ho: diff = 0 degrees of freedom = 101

Ha: diff < 0 Pr(T < t) = 0.6867  
 Ha: diff != 0 Pr(|T| > |t|) = 0.6266  
 Ha: diff > 0 Pr(T > t) = 0.3133

-> profship = 1

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
0	28	11388.14	406.0341	2148.53	10555.03	12221.26
1	4	11176.84	1076.12	2152.24	7752.146	14601.53
combined	32	11361.73	373.9092	2115.15	10599.14	12124.32
diff		211.3021	1148.636		-2134.526	2557.13

diff = mean(0) - mean(1) t = 0.1840  
 Ho: diff = 0 degrees of freedom = 30

Ha: diff < 0 Pr(T < t) = 0.5724  
 Ha: diff != 0 Pr(|T| > |t|) = 0.8553  
 Ha: diff > 0 Pr(T > t) = 0.4276

. keep if asian==1  
 (255 observations deleted)

. summarize qui ntTOP qui ntDTOP qui ntBOT qui ntDBOT sal adj seadj profship

Variable	Obs	Mean	Std. Dev.	Min	Max
qui ntTOP	87	.2298851	.4231979	0	1
qui ntDTOP	87	.2183908	.4155492	0	1
qui ntBOT	87	.1954023	.3988087	0	1
qui ntDBOT	87	.1954023	.3988087	0	1
sal adj	87	.0229885	.1507355	0	1
seadj	87	.045977	.2106494	0	1
profship	87	.045977	.2106494	0	1

. by qui ntTOP, sort: summarize morate

-> qui ntTOP = 0

Variable	Obs	Mean	Std. Dev.	Min	Max
morate	67	9045.431	2898.57	4333.34	16443.94

-> qui ntTOP = 1

Table 3-6 MeritByDept

Variabl e	Obs	Mean	Std. Dev.	Min	Max
morate	20	8913.757	2222.867	6204.8	13333.34

. by qui ntBOT, sort: summarize morate

-----  
 -----  
 -> qui ntBOT = 0

Variabl e	Obs	Mean	Std. Dev.	Min	Max
morate	70	9008.787	2723.302	4333.34	16443.94

-----  
 -----  
 -> qui ntBOT = 1

Variabl e	Obs	Mean	Std. Dev.	Min	Max
morate	17	9041.407	2925.291	5603.22	16110.7

. by qui ntDTOP, sort: summarize morate

-----  
 -----  
 -> qui ntDTOP = 0

Variabl e	Obs	Mean	Std. Dev.	Min	Max
morate	68	9008.65	2740.252	4333.34	16384.4

-----  
 -----  
 -> qui ntDTOP = 1

Variabl e	Obs	Mean	Std. Dev.	Min	Max
morate	19	9038.464	2843.573	6204.8	16443.94

. by qui ntDBOT, sort: summarize morate

-----  
 -----  
 -> qui ntDBOT = 0

Variabl e	Obs	Mean	Std. Dev.	Min	Max
morate	70	8948.238	2669.03	4333.34	16443.94

-----  
 -----  
 -> qui ntDBOT = 1

Variabl e	Obs	Mean	Std. Dev.	Min	Max
morate	17	9290.726	3117.693	5603.22	16384.4



Table 3-6 MeritByDept

. by saladj, sort: summarize morate

```
-----
-> saladj = 0
```

Variable	Obs	Mean	Std. Dev.	Min	Max
morate	85	8995.751	2775.341	4333.34	16443.94

```
-----
-> saladj = 1
```

Variable	Obs	Mean	Std. Dev.	Min	Max
morate	2	9840.1	506.8824	9481.68	10198.52

. by seadj, sort: summarize morate

```
-----
-> seadj = 0
```

Variable	Obs	Mean	Std. Dev.	Min	Max
morate	83	8977.254	2796.54	4333.34	16443.94

```
-----
-> seadj = 1
```

Variable	Obs	Mean	Std. Dev.	Min	Max
morate	4	9801.735	1261.646	8055.56	10968.64

. by profship, sort: summarize morate if full==1

```
-----
-> profship = 0
```

Variable	Obs	Mean	Std. Dev.	Min	Max
morate	19	10053.38	2683.633	5603.22	16110.7

```
-----
-> profship = 1
```

Variable	Obs	Mean	Std. Dev.	Min	Max
morate	4	11176.84	2152.24	9481.68	14269.56

. clear all

. \* BLACK FACULTY MEMBERS ONLY

. use

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Table 3-6 MeritByDept

6C

. keep if whmale==1 | black==1  
 (296 observations deleted)

. \*by quintTOP, sort: ttest morate, by(black)  
 . by quintBOT, sort: ttest morate, by(black)

-----  
 -----  
 -> quintBOT = 0

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
0	203	9154.286	180.0979	2566.001	8799.173	9509.399
1	16	7930.544	276.999	1107.996	7340.134	8520.953
combined	219	9064.88	169.4398	2507.48	8730.93	9398.83
diff		1223.742	647.2953		-52.04844	2499.533

diff = mean(0) - mean(1) t = 1.8905  
 Ho: diff = 0 degrees of freedom = 217

Ha: diff < 0 Ha: diff != 0 Ha: diff > 0  
 Pr(T < t) = 0.9700 Pr(|T| > |t|) = 0.0600 Pr(T > t) = 0.0300

-----  
 -----  
 -> quintBOT = 1

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
0	52	8799.208	350.2255	2525.512	8096.101	9502.315
1	8	8474.28	443.3319	1253.932	7425.967	9522.593
combined	60	8755.884	308.5538	2390.047	8138.469	9373.299
diff		324.9277	914.4823		-1505.608	2155.463

diff = mean(0) - mean(1) t = 0.3553  
 Ho: diff = 0 degrees of freedom = 58

Ha: diff < 0 Ha: diff != 0 Ha: diff > 0  
 Pr(T < t) = 0.6382 Pr(|T| > |t|) = 0.7236 Pr(T > t) = 0.3618

. by quintDTOP, sort: ttest morate, by(black)

-----  
 -----  
 -> quintDTOP = 0

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
0	211	8925.596	167.9168	2439.133	8594.577	9256.615
1	21	7963.311	225.4119	1032.967	7493.11	8433.512

Table 3-6 MeritByDept

combined	232	8838.493	155.0509	2361.665	8532.998	9143.987
diff		962.2846	537.8388		-97.43619	2022.005

diff = mean(0) - mean(1) t = 1.7892  
 Ho: diff = 0 degrees of freedom = 230

Ha: diff < 0 Pr(T < t) = 0.9625  
 Ha: diff != 0 Pr(|T| > |t|) = 0.0749  
 Ha: diff > 0 Pr(T > t) = 0.0375

-> quintDTOP = 1

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
0	44	9831.321	448.9324	2977.881	8925.962	10736.68
1	3	9151.133	996.1553	1725.392	4865.023	13437.24
combined	47	9787.905	423.941	2906.393	8934.556	10641.25
diff		680.1876	1750.498		-2845.496	4205.871

diff = mean(0) - mean(1) t = 0.3886  
 Ho: diff = 0 degrees of freedom = 45

Ha: diff < 0 Pr(T < t) = 0.6503  
 Ha: diff != 0 Pr(|T| > |t|) = 0.6994  
 Ha: diff > 0 Pr(T > t) = 0.3497

. by quintDBOT, sort: ttest morate, by(black)

-> quintDBOT = 0

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
0	194	9142.416	184.1315	2564.654	8779.248	9505.584
1	18	8140.591	298.4733	1266.315	7510.867	8770.315
combined	212	9057.355	171.3417	2494.772	8719.595	9395.116
diff		1001.825	612.2691		-205.1565	2208.806

diff = mean(0) - mean(1) t = 1.6362  
 Ho: diff = 0 degrees of freedom = 210

Ha: diff < 0 Pr(T < t) = 0.9484  
 Ha: diff != 0 Pr(|T| > |t|) = 0.1033  
 Ha: diff > 0 Pr(T > t) = 0.0516

-> quintDBOT = 1

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
0	61	8889.347	325.647	2543.384	8237.956	9540.738

Table 3-6 MeritByDept

	1	6	8025.383	350.1378	857.6589	7125.326	8925.441
combined		67	8811.977	299.2088	2449.13	8214.588	9409.367
diff			863.9639	1050.451		-1233.931	2961.859
Ho: diff = 0		diff = mean(0) - mean(1)			t =	0.8225	
					degrees of freedom =	65	
Ha: diff < 0		Pr(T < t) = 0.7931			Ha: diff != 0		Pr( T  >  t ) = 0.4138
					Ha: diff > 0		Pr(T > t) = 0.2069

. by saladj, sort: ttest morate, by(black)

-----  
 -> saladj = 0

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]		
0	249	9027.223	160.7608	2536.763	8710.592	9343.854	
1	23	8111.3	247.509	1187.011	7597.998	8624.602	
combined	272	8949.774	149.3684	2463.447	8655.704	9243.844	
diff		915.923	534.9608		-137.302	1969.148	
Ho: diff = 0		diff = mean(0) - mean(1)			t =	1.7121	
					degrees of freedom =	270	
Ha: diff < 0		Pr(T < t) = 0.9560			Ha: diff != 0		Pr( T  >  t ) = 0.0880
					Ha: diff > 0		Pr(T > t) = 0.0440

-----  
 -> saladj = 1

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]		
0	6	11350.06	1049.055	2569.651	8653.377	14046.74	
1	1	8123.04	.	.	.	.	
combined	7	10889.06	.	.	.	.	
diff		3227.02	.	.	.	.	
Ho: diff = 0		diff = mean(0) - mean(1)			t =	.	
					degrees of freedom =	5	
Ha: diff < 0		Pr(T < t) = .			Ha: diff != 0		Pr( T  >  t ) = .
					Ha: diff > 0		Pr(T > t) = .

. by seadj, sort: ttest morate, by(black)

-----  
 -> seadj = 0

Two-sample t test with equal variances

Table 3-6 MeritByDept

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]
0	227	8963.645	175.1361	2638.692	8618.537 9308.754
1	23	8049.102	238.6922	1144.728	7554.084 8544.119
combined	250	8879.507	161.3131	2550.584	8561.795 9197.219
diff		914.5436	556.2275		-180.9885 2010.076

diff = mean(0) - mean(1)      t = 1.6442  
 Ho: diff = 0      degrees of freedom = 248

Ha: diff < 0      Pr(T < t) = 0.9493      Ha: diff != 0      Pr(|T| > |t|) = 0.1014      Ha: diff > 0      Pr(T > t) = 0.0507

-> seadj = 1

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]
0	28	10040.41	277.1761	1466.678	9471.688 10609.12
1	1	9553.6	.	.	.
combined	29	10023.62	.	.	.
diff		486.8064	.	.	.

diff = mean(0) - mean(1)      t = .  
 Ho: diff = 0      degrees of freedom = 27

Ha: diff < 0      Pr(T < t) = .      Ha: diff != 0      Pr(|T| > |t|) = .      Ha: diff > 0      Pr(T > t) = .

. by profship, sort: ttest morate if full==1, by(black)

-> profship = 0

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]
0	84	10360.96	265.6607	2434.821	9832.574 10889.35
1	7	8788.009	491.5169	1300.432	7585.31 9990.707
combined	91	10239.97	251.5366	2399.507	9740.244 10739.69
diff		1572.954	934.4915		-283.8608 3429.768

diff = mean(0) - mean(1)      t = 1.6832  
 Ho: diff = 0      degrees of freedom = 89

Ha: diff < 0      Pr(T < t) = 0.9521      Ha: diff != 0      Pr(|T| > |t|) = 0.0958      Ha: diff > 0      Pr(T > t) = 0.0479

-> profship = 1

Table 3-6 MeritByDept

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
0	28	11388.14	406.0341	2148.53	10555.03	12221.26
1	2	10096.66	543.06	768.0028	3196.428	16996.89
combined	30	11302.04	384.0801	2103.693	10516.51	12087.58
diff		1291.482	1547.876		-1879.198	4462.162

diff = mean(0) - mean(1) t = 0.8344  
 Ho: diff = 0 degrees of freedom = 28

Ha: diff < 0 Ha: diff != 0 Ha: diff > 0  
 Pr(T < t) = 0.7944 Pr(|T| > |t|) = 0.4111 Pr(T > t) = 0.2056

. keep if black==1  
 (255 observations deleted)

. summarize qui ntTOP qui ntDTOP qui ntBOT qui ntDBOT sal adj seadj profship

Variable	Obs	Mean	Std. Dev.	Min	Max
qui ntTOP	24	0	0	0	0
qui ntDTOP	24	.125	.337832	0	1
qui ntBOT	24	.3333333	.4815434	0	1
qui ntDBOT	24	.25	.4423259	0	1
sal adj	24	.0416667	.2041241	0	1
seadj	24	.0416667	.2041241	0	1
profship	24	.0833333	.2823299	0	1

. by qui ntTOP, sort: summarize morate

-> qui ntTOP = 0

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

. by qui ntBOT, sort: summarize morate

-> qui ntBOT = 0

Variable	Obs	Mean	Std. Dev.	Min	Max
morate	16	7930.544	1107.996	6662.72	10639.72

-> qui ntBOT = 1

Variable	Obs	Mean	Std. Dev.	Min	Max
morate	8	8474.28	1253.932	6888.9	11000

Table 3-6 MeritByDept

. by quintDTOP, sort: summarize morate

```
-----
-----
-> quintDTOP = 0
```

Variable	Obs	Mean	Std. Dev.	Min	Max
morate	21	7963.311	1032.967	6662.72	11000

```
-----
-----
-> quintDTOP = 1
```

Variable	Obs	Mean	Std. Dev.	Min	Max
morate	3	9151.133	1725.392	7260.08	10639.72

. by quintDBOT, sort: summarize morate

```
-----
-----
-> quintDBOT = 0
```

Variable	Obs	Mean	Std. Dev.	Min	Max
morate	18	8140.591	1266.315	6662.72	11000

```
-----
-----
-> quintDBOT = 1
```

Variable	Obs	Mean	Std. Dev.	Min	Max
morate	6	8025.383	857.6589	6888.9	9426.54

. by saladj, sort: summarize morate

```
-----
-----
-> saladj = 0
```

Variable	Obs	Mean	Std. Dev.	Min	Max
morate	23	8111.3	1187.011	6662.72	11000

```
-----
-----
-> saladj = 1
```

Variable	Obs	Mean	Std. Dev.	Min	Max
morate	1	8123.04	.	8123.04	8123.04

. by seadj, sort: summarize morate

```
-----
-----
```

Table 3-6 MeritByDept

-> seadj = 0

Variable	Obs	Mean	Std. Dev.	Min	Max
morate	23	8049.102	1144.728	6662.72	11000

-> seadj = 1

Variable	Obs	Mean	Std. Dev.	Min	Max
morate	1	9553.6	.	9553.6	9553.6

. by profship, sort: summarize morate if full==1

-> profship = 0

Variable	Obs	Mean	Std. Dev.	Min	Max
morate	7	8788.009	1300.432	7260.08	11000

-> profship = 1

Variable	Obs	Mean	Std. Dev.	Min	Max
morate	2	10096.66	768.0028	9553.6	10639.72

. clear all

. \* HISPANIC FACULTY MEMBERS ONLY

. use

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

. by quintTOP, sort: ttest morate, by(hisp)

-> quintTOP = 0

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]
0	207	8996.494	171.3334	2465.058	8658.702 9334.285
1	13	7848.074	289.5945	1044.148	7217.102 8479.046
combined	220	8928.633	163.0561	2418.513	8607.273 9249.993
diff		1148.42	688.7232		-208.9885 2505.828
diff = mean(0) - mean(1)					t = 1.6675



Table 3-6 MeritByDept

Ho: diff = 0 degrees of freedom = 218  
 Ha: diff < 0 Pr(T < t) = 0.9516  
 Ha: diff != 0 Pr(|T| > |t|) = 0.0969  
 Ha: diff > 0 Pr(T > t) = 0.0484

-> quintTOP = 1

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
0	48	9450.097	421.4813	2920.108	8602.187	10298.01
1	6	9634.13	1102.632	2700.886	6799.724	12468.54
combined	54	9470.546	390.9462	2872.856	8686.407	10254.68
diff		-184.0325	1255.628		-2703.635	2335.57

diff = mean(0) - mean(1) t = -0.1466  
 Ho: diff = 0 degrees of freedom = 52

Ha: diff < 0 Pr(T < t) = 0.4420  
 Ha: diff != 0 Pr(|T| > |t|) = 0.8840  
 Ha: diff > 0 Pr(T > t) = 0.5580

. by quintBOT, sort: ttest morate, by(hisp)

-> quintBOT = 0

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
0	203	9154.286	180.0979	2566.001	8799.173	9509.399
1	18	8413.539	452.4874	1919.742	7458.874	9368.204
combined	221	9093.954	169.797	2524.214	8759.317	9428.591
diff		740.7472	620.1795		-481.5369	1963.031

diff = mean(0) - mean(1) t = 1.1944  
 Ho: diff = 0 degrees of freedom = 219

Ha: diff < 0 Pr(T < t) = 0.8832  
 Ha: diff != 0 Pr(|T| > |t|) = 0.2336  
 Ha: diff > 0 Pr(T > t) = 0.1168

-> quintBOT = 1

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
0	52	8799.208	350.2255	2525.512	8096.101	9502.315
1	1	8386.04	.	.	.	.
combined	53	8791.412	.	.	.	.
diff		413.1677	.	.	.	.

Table 3-6 MeritByDept

diff = mean(0) - mean(1)  
 Ho: diff = 0 t = .  
degrees of freedom = 51

Ha: diff < 0 Ha: diff != 0 Ha: diff > 0  
 Pr(T < t) = . Pr(|T| > |t|) = . Pr(T > t) = .

. by quintDTOP, sort: ttest morate, by(hisp)

-> quintDTOP = 0

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
0	211	8925.596	167.9168	2439.133	8594.577	9256.615
1	15	8467.004	528.9653	2048.674	7332.486	9601.522
combined	226	8895.158	160.5712	2413.915	8578.743	9211.574
diff		458.592	645.7557		-813.9412	1731.125

diff = mean(0) - mean(1)  
 Ho: diff = 0 t = 0.7102  
degrees of freedom = 224

Ha: diff < 0 Ha: diff != 0 Ha: diff > 0  
 Pr(T < t) = 0.7608 Pr(|T| > |t|) = 0.4783 Pr(T > t) = 0.2392

-> quintDTOP = 1

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
0	44	9831.321	448.9324	2977.881	8925.962	10736.68
1	4	8206.17	553.6917	1107.383	6444.076	9968.264
combined	48	9695.892	418.265	2897.825	8854.451	10537.33
diff		1625.151	1510.817		-1415.966	4666.268

diff = mean(0) - mean(1)  
 Ho: diff = 0 t = 1.0757  
degrees of freedom = 46

Ha: diff < 0 Ha: diff != 0 Ha: diff > 0  
 Pr(T < t) = 0.8562 Pr(|T| > |t|) = 0.2877 Pr(T > t) = 0.1438

. by quintDBOT, sort: ttest morate, by(hisp)

-> quintDBOT = 0

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
0	194	9142.416	184.1315	2564.654	8779.248	9505.584
1	18	8509.059	440.7248	1869.837	7579.211	9438.907

Table 3-6 Meri tByDept

combi ned	212	9088.64	172.7872	2515.82	8748.03	9429.251
di ff		633.3571	619.819		-588.5075	1855.222
di ff = mean(0) - mean(1)				t =		1.0218
Ho: di ff = 0				degrees of freedom =		210
Ha: di ff < 0		Ha: di ff != 0		Ha: di ff > 0		
Pr(T < t) = 0.8460		Pr( T  >  t ) = 0.3080		Pr(T > t) = 0.1540		

-> quintDBOT = 1

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
0	61	8889.347	325.647	2543.384	8237.956	9540.738
1	1	6666.68	.	.	.	.
combi ned	62	8853.498	.	.	.	.
di ff		2222.667	.	.	.	.
di ff = mean(0) - mean(1)				t =		.
Ho: di ff = 0				degrees of freedom =		60
Ha: di ff < 0		Ha: di ff != 0		Ha: di ff > 0		
Pr(T < t) = .		Pr( T  >  t ) = .		Pr(T > t) = .		

. \*by saladj, sort: ttest morate, by(hi sp)  
 . by seadj, sort: ttest morate, by(hi sp)

-> seadj = 0

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
0	227	8963.645	175.1361	2638.692	8618.537	9308.754
1	17	8452.654	475.6269	1961.06	7444.37	9460.938
combi ned	244	8928.044	166.2731	2597.269	8600.523	9255.564
di ff		510.9913	653.6151		-776.5097	1798.492
di ff = mean(0) - mean(1)				t =		0.7818
Ho: di ff = 0				degrees of freedom =		242
Ha: di ff < 0		Ha: di ff != 0		Ha: di ff > 0		
Pr(T < t) = 0.7824		Pr( T  >  t ) = 0.4351		Pr(T > t) = 0.2176		

-> seadj = 1

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
-------	-----	------	-----------	-----------	----------------------	--



Table 3-6 MeritByDept

Variabl e	Obs	Mean	Std. Dev.	Min	Max
qui ntTOP	19	.3157895	.4775669	0	1
qui ntDTOP	19	.2105263	.4188539	0	1
qui ntBOT	19	.0526316	.2294157	0	1
qui ntDBOT	19	.0526316	.2294157	0	1
sal adj	19	0	0	0	0
seadj	19	.1052632	.3153018	0	1
profshi p	19	.1052632	.3153018	0	1

. by qui ntTOP, sort: summarize morate

-----  
 ----  
 -> qui ntTOP = 0

Variabl e	Obs	Mean	Std. Dev.	Min	Max
morate	13	7848.074	1044.148	6558.14	9764.86

-----  
 ----  
 -> qui ntTOP = 1

Variabl e	Obs	Mean	Std. Dev.	Min	Max
morate	6	9634.13	2700.886	7413.54	13159.1

. by qui ntBOT, sort: summarize morate

-----  
 ----  
 -> qui ntBOT = 0

Variabl e	Obs	Mean	Std. Dev.	Min	Max
morate	18	8413.539	1919.742	6558.14	13159.1

-----  
 ----  
 -> qui ntBOT = 1

Variabl e	Obs	Mean	Std. Dev.	Min	Max
morate	1	8386.04	.	8386.04	8386.04

. by qui ntDTOP, sort: summarize morate

-----  
 ----  
 -> qui ntDTOP = 0

Variabl e	Obs	Mean	Std. Dev.	Min	Max
morate	15	8467.004	2048.674	6558.14	13159.1

-----  
 ----  
 -> qui ntDTOP = 1

Table 3-6 MeritByDept

Variabl e	Obs	Mean	Std. Dev.	Min	Max
morate	4	8206.17	1107.383	7413.54	9764.86

. by qui ntDBOT, sort: summarize morate

-----  
 -----  
 -> qui ntDBOT = 0

Variabl e	Obs	Mean	Std. Dev.	Min	Max
morate	18	8509.059	1869.837	6558.14	13159.1

-----  
 -----  
 -> qui ntDBOT = 1

Variabl e	Obs	Mean	Std. Dev.	Min	Max
morate	1	6666.68	.	6666.68	6666.68

. by sal adj, sort: summarize morate

-----  
 -----  
 -> sal adj = 0

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

. by seadj, sort: summarize morate

-----  
 -----  
 -> seadj = 0

Variabl e	Obs	Mean	Std. Dev.	Min	Max
morate	17	8452.654	1961.06	6558.14	13159.1

-----  
 -----  
 -> seadj = 1

Variabl e	Obs	Mean	Std. Dev.	Min	Max
morate	2	8067.31	924.5704	7413.54	8721.08

. by profshi p, sort: summarize morate i f full ==1

-----  
 -----  
 -> profshi p = 0

Variabl e	Obs	Mean	Std. Dev.	Min	Max
-----------	-----	------	-----------	-----	-----

Table 3-6 MeritByDept  
 morate | 3 8120.327 613.872 7418.36 8556.58

-> profship = 1

Variable	Obs	Mean	Std. Dev.	Min	Max
morate	2	9242.97	738.0639	8721.08	9764.86

. clear all

. \* BLACK & HISPANIC FACULTY MEMBERS

. use

C:\Users\TA0VLW1\Desktop\Documents\FACULTY\_SALARY\_STUDY\WORKING\DATA\FINAL\FSS2015-16C

. gen blkhispc=0

. replace blkhispc=1 if black==1 | hispc==1  
 (43 real changes made)

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

. by quintTOP, sort: ttest morate, by(blkhispc)

-> quintTOP = 0

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]
0	207	8996.494	171.3334	2465.058	8658.702 9334.285
1	37	8019.132	183.1232	1113.895	7647.741 8390.523
combined	244	8848.287	149.5689	2336.341	8553.67 9142.904
diff		977.3613	413.1193		163.5927 1791.13

diff = mean(0) - mean(1) t = 2.3658  
 Ho: diff = 0 degrees of freedom = 242

Ha: diff < 0  
 Pr(T < t) = 0.9906

Ha: diff != 0  
 Pr(|T| > |t|) = 0.0188

Ha: diff > 0  
 Pr(T > t) = 0.0094

-> quintTOP = 1

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]
0	48	9450.097	421.4813	2920.108	8602.187 10298.01
1	6	9634.13	1102.632	2700.886	6799.724 12468.54
combined	54	9470.546	390.9462	2872.856	8686.407 10254.68

Table 3-6 MeritByDept

```

diff |          -184.0325    1255.628          -2703.635    2335.57
-----
diff = mean(0) - mean(1)
Ho: diff = 0
degrees of freedom = 52

```

```

Ha: diff < 0          Ha: diff != 0          Ha: diff > 0
Pr(T < t) = 0.4420    Pr(|T| > |t|) = 0.8840    Pr(T > t) = 0.5580

```

. by quintBOT, sort: ttest morate, by(blckhi sp)

-> quintBOT = 0

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
0	203	9154.286	180.0979	2566.001	8799.173	9509.399
1	34	8186.247	272.0537	1586.332	7632.75	8739.744
combined	237	9015.411	160.475	2470.482	8699.265	9331.558
diff		968.039	454.3983		72.82447	1863.254

```

diff = mean(0) - mean(1)
Ho: diff = 0
degrees of freedom = 235

```

```

Ha: diff < 0          Ha: diff != 0          Ha: diff > 0
Pr(T < t) = 0.9829    Pr(|T| > |t|) = 0.0342    Pr(T > t) = 0.0171

```

-> quintBOT = 1

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
0	52	8799.208	350.2255	2525.512	8096.101	9502.315
1	9	8464.476	391.1049	1173.315	7562.586	9366.365
combined	61	8749.821	303.5139	2370.519	8142.703	9356.939
diff		334.7321	861.9475		-1390.021	2059.485

```

diff = mean(0) - mean(1)
Ho: diff = 0
degrees of freedom = 59

```

```

Ha: diff < 0          Ha: diff != 0          Ha: diff > 0
Pr(T < t) = 0.6504    Pr(|T| > |t|) = 0.6992    Pr(T > t) = 0.3496

```

. by quintDTOP, sort: ttest morate, by(blckhi sp)

-> quintDTOP = 0

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
0	211	8925.596	167.9168	2439.133	8594.577	9256.615



Table 3-6 MeritByDept

1	36	8173.183	255.6027	1533.616	7654.282	8692.084
combined	247	8815.933	149.0066	2341.823	8522.441	9109.424
diff		752.4127	420.4109		-75.66821	1580.494
diff = mean(0) - mean(1)					t =	1.7897
Ho: diff = 0					degrees of freedom =	245
Ha: diff < 0		Ha: diff != 0		Ha: diff > 0		
Pr(T < t) = 0.9626		Pr( T  >  t ) = 0.0747		Pr(T > t) = 0.0374		

-> quintDTOP = 1

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
0	44	9831.321	448.9324	2977.881	8925.962	10736.68
1	7	8611.154	515.5586	1364.04	7349.628	9872.681
combined	51	9663.847	396.7857	2833.616	8866.88	10460.81
diff		1220.167	1151.647		-1094.154	3534.487
diff = mean(0) - mean(1)					t =	1.0595
Ho: diff = 0					degrees of freedom =	49
Ha: diff < 0		Ha: diff != 0		Ha: diff > 0		
Pr(T < t) = 0.8527		Pr( T  >  t ) = 0.2946		Pr(T > t) = 0.1473		

. by quintDBOT, sort: ttest morate, by(blckhisp)

-> quintDBOT = 0

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
0	194	9142.416	184.1315	2564.654	8779.248	9505.584
1	36	8324.825	264.1537	1584.922	7788.564	8861.086
combined	230	9014.445	161.7299	2452.755	8695.776	9333.114
diff		817.591	442.7852		-54.88327	1690.065
diff = mean(0) - mean(1)					t =	1.8465
Ho: diff = 0					degrees of freedom =	228
Ha: diff < 0		Ha: diff != 0		Ha: diff > 0		
Pr(T < t) = 0.9669		Pr( T  >  t ) = 0.0661		Pr(T > t) = 0.0331		

-> quintDBOT = 1

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
-------	-----	------	-----------	-----------	----------------------	--

Table 3-6 MeritByDept

	0	1	combined	diff			
	61	7	68	1058.064	8889.347	7831.283	8780.429
	325.647	353.8981	296.4593	974.27	2543.384	936.3265	2444.666
	8237.956	6965.325	8188.694	-887.1285	9540.738	8697.24	9372.164
	diff = mean(0) - mean(1)						t = 1.0860
Ho:	diff = 0						degrees of freedom = 66

Ha: diff < 0 Pr(T < t) = 0.8593  
 Ha: diff != 0 Pr(|T| > |t|) = 0.2814  
 Ha: diff > 0 Pr(T > t) = 0.1407

. by saladj, sort: ttest morate, by(blckhis)

-> saladj = 0

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]
0	249	9027.223	160.7608	2536.763	8710.592 9343.854
1	42	8247.372	234.3746	1518.921	7774.043 8720.701
combined	291	8914.667	142.447	2429.964	8634.306 9195.028
diff		779.8506	403.4433		-14.20918 1573.91

diff = mean(0) - mean(1)  
 Ho: diff = 0 t = 1.9330  
 degrees of freedom = 289

Ha: diff < 0 Pr(T < t) = 0.9729  
 Ha: diff != 0 Pr(|T| > |t|) = 0.0542  
 Ha: diff > 0 Pr(T > t) = 0.0271

-> saladj = 1

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]
0	6	11350.06	1049.055	2569.651	8653.377 14046.74
1	1	8123.04	.	.	.
combined	7	10889.06	.	.	.
diff		3227.02	.	.	.

diff = mean(0) - mean(1)  
 Ho: diff = 0 t = .  
 degrees of freedom = 5

Ha: diff < 0 Pr(T < t) = .  
 Ha: diff != 0 Pr(|T| > |t|) = .  
 Ha: diff > 0 Pr(T > t) = .

. by seadj, sort: ttest morate, by(blckhis)

-> seadj = 0

Table 3-6 MeritByDept

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
0	227	8963.645	175.1361	2638.692	8618.537	9308.754
1	40	8220.612	242.7841	1535.502	7729.534	8711.689
combined	267	8852.329	153.9972	2516.335	8549.121	9155.538
diff		743.0339	429.8975		-103.4155	1589.483

diff = mean(0) - mean(1)      t = 1.7284  
Ho: diff = 0      degrees of freedom = 265

Ha: diff < 0      Pr(T < t) = 0.9575  
Ha: diff != 0      Pr(|T| > |t|) = 0.0851  
Ha: diff > 0      Pr(T > t) = 0.0425

-&gt; seadj = 1

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
0	28	10040.41	277.1761	1466.678	9471.688	10609.12
1	3	8562.74	622.8343	1078.781	5882.9	11242.58
combined	31	9897.406	267.0529	1486.887	9352.012	10442.8
diff		1477.666	876.7809		-315.5518	3270.885

diff = mean(0) - mean(1)      t = 1.6853  
Ho: diff = 0      degrees of freedom = 29

Ha: diff < 0      Pr(T < t) = 0.9487  
Ha: diff != 0      Pr(|T| > |t|) = 0.1027  
Ha: diff > 0      Pr(T > t) = 0.0513

. by profship, sort: ttest morate if full==1, by(blckhis)

-&gt; profship = 0

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
0	84	10360.96	265.6607	2434.821	9832.574	10889.35
1	10	8587.704	362.6536	1146.811	7767.324	9408.084
combined	94	10172.32	246.6868	2391.717	9682.447	10662.19
diff		1773.258	782.8853		218.3806	3328.136

diff = mean(0) - mean(1)      t = 2.2650  
Ho: diff = 0      degrees of freedom = 92

Ha: diff < 0      Pr(T < t) = 0.9871  
Ha: diff != 0      Pr(|T| > |t|) = 0.0259  
Ha: diff > 0      Pr(T > t) = 0.0129

Table 3-6 MeritByDept

-----  
 -> profship = 1

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
0	28	11388.14	406.0341	2148.53	10555.03	12221.26
1	4	9669.815	394.0551	788.1102	8415.756	10923.87
combined	32	11173.35	371.4001	2100.956	10415.88	11930.83
diff		1718.327	1097.618		-523.3072	3959.961

diff = mean(0) - mean(1) t = 1.5655  
 Ho: diff = 0 degrees of freedom = 30

Ha: diff < 0 Ha: diff != 0 Ha: diff > 0  
 Pr(T < t) = 0.9360 Pr(|T| > |t|) = 0.1280 Pr(T > t) = 0.0640

. keep if blkhspp==1  
 (255 observations deleted)

. summarize qui ntTOP qui ntDTOP qui ntBOT qui ntDBOT sal adj seadj profship

Variable	Obs	Mean	Std. Dev.	Min	Max
qui ntTOP	43	.1395349	.3506046	0	1
qui ntDTOP	43	.1627907	.3735437	0	1
qui ntBOT	43	.2093023	.4116251	0	1
qui ntDBOT	43	.1627907	.3735437	0	1
sal adj	43	.0232558	.1524986	0	1
seadj	43	.0697674	.2577696	0	1
profship	43	.0930233	.2939026	0	1

. by qui ntTOP, sort: summarize morate

-----  
 -> qui ntTOP = 0

Variable	Obs	Mean	Std. Dev.	Min	Max
morate	37	8019.132	1113.895	6558.14	11000

-----  
 -> qui ntTOP = 1

Variable	Obs	Mean	Std. Dev.	Min	Max
morate	6	9634.13	2700.886	7413.54	13159.1

. by qui ntBOT, sort: summarize morate

-----  
 -> qui ntBOT = 0

Variable	Obs	Mean	Std. Dev.	Min	Max
----------	-----	------	-----------	-----	-----

Table 3-6 MeritByDept

morate	34	8186.247	1586.332	6558.14	13159.1
--------	----	----------	----------	---------	---------

-> qui ntBOT = 1

Variabl e	Obs	Mean	Std. Dev.	Min	Max
morate	9	8464.476	1173.315	6888.9	11000

. by qui ntDTOP, sort: summarize morate

-> qui ntDTOP = 0

Variabl e	Obs	Mean	Std. Dev.	Min	Max
morate	36	8173.183	1533.616	6558.14	13159.1

-> qui ntDTOP = 1

Variabl e	Obs	Mean	Std. Dev.	Min	Max
morate	7	8611.154	1364.04	7260.08	10639.72

. by qui ntDBOT, sort: summarize morate

-> qui ntDBOT = 0

Variabl e	Obs	Mean	Std. Dev.	Min	Max
morate	36	8324.825	1584.922	6558.14	13159.1

-> qui ntDBOT = 1

Variabl e	Obs	Mean	Std. Dev.	Min	Max
morate	7	7831.283	936.3265	6666.68	9426.54

. by sal adj, sort: summarize morate

-> sal adj = 0

Variabl e	Obs	Mean	Std. Dev.	Min	Max
morate	42	8247.372	1518.921	6558.14	13159.1

-> sal adj = 1

Table 3-6 MeritByDept

Variabl e	Obs	Mean	Std. Dev.	Min	Max
morate	1	8123.04	.	8123.04	8123.04

. by seadj, sort: summarize morate

-----  
 -> seadj = 0

Variabl e	Obs	Mean	Std. Dev.	Min	Max
morate	40	8220.612	1535.502	6558.14	13159.1

-----  
 -> seadj = 1

Variabl e	Obs	Mean	Std. Dev.	Min	Max
morate	3	8562.74	1078.781	7413.54	9553.6

. by profshi p, sort: summarize morate if full ==1

-----  
 -> profshi p = 0

Variabl e	Obs	Mean	Std. Dev.	Min	Max
morate	10	8587.704	1146.811	7260.08	11000

-----  
 -> profshi p = 1

Variabl e	Obs	Mean	Std. Dev.	Min	Max
morate	4	9669.815	788.1102	8721.08	10639.72

. clear all

.  
 . \*\*\*\*\* CLOSE OUTPUT  
 . log close  
 . name: <unnamed>  
 . log:  
 C:\Users\TA0VLW1\Desktop\Documents\FACULTY\_SALARY\_STUDY\WORKING\PROGRAMS\ReportTabl  
 > es\MeritByDept.log  
 . log type: text  
 . closed on: 9 Mar 2018, 16:55:53