

Output - Table 3-6

```

-----
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		

Output - Table 3-6

```

cupa000      float    %9.0g
whmale      float    %9.0g
RKST_ASSIST float    %9.0g
assst       float    %9.0g
salstart    float    %9.0g
yrsni u2    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

Variabl e	Obs	Mean	Std. Dev.	Min	Max
control	575	121888.3	12709.46	102101	148139
col lege	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
femal e	575	.4313043	.4956896	0	1

Output - Table 3-6

mi nori ty	575	. 2295652	. 4209194	0	1
asi an	575	. 1513043	. 3586573	0	1
bl ack	575	. 0417391	. 2001666	0	1
hi sp	575	. 0330435	. 1789058	0	1
morate	575	8754. 981	2560. 947	4084	19444. 46
ful l	575	. 333913	. 4720197	0	1
assoc	575	. 4452174	. 4974225	0	1
rkyrs	575	4. 71827	4. 919266	0	29
yr sni u	575	13. 03161	8. 601392	0	46. 96986
yrsoth	575	2. 29913	4. 026816	0	33
meri t	575	4. 56711	1. 324462	1. 636667	9. 666667
sal adj	575	. 0313043	. 1742906	0	1
seadj	575	. 0886957	. 2845515	0	1
profshi p	575	. 08	. 2715294	0	1
RKST_FULLL	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
qui nt	575	2. 963478	1. 415588	1	5
qui ntTOP	575	. 1930435	. 3950305	0	1
qui nt2ND	575	. 1982609	. 3990369	0	1
qui ntMI D	575	. 1930435	. 3950305	0	1
qui nt4TH	575	. 2104348	. 4079724	0	1
qui ntBOT	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
whmal e	575	. 4434783	. 4972276	0	1
RKST_ASSI ST	575	. 8973913	. 3037113	0	1
assi st	575	. 2208696	. 4151939	0	1
sal start	570	8147. 535	3902. 547	1199. 88	32521. 98
yr sni u2	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

Output - Table 3-6

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 qui ntD = xtile(merit), by(dept) nq(5)
. summarize merit qui nt qui ntD
```

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

```
. gen qui ntDTOP=0
. replace qui ntDTOP=1 if qui ntD==5
(92 real changes made)
. gen qui ntD2ND=0
. replace qui ntD2ND=1 if qui ntD==4
(117 real changes made)
. gen qui ntDMI D=0
. replace qui ntDMI D=1 if qui ntD==3
(116 real changes made)
. gen qui ntD4TH=0
. replace qui ntD4TH=1 if qui ntD==2
(118 real changes made)
```

Output - Table 3-6

. 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 Economics
> 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

Output - Table 3-6

Total	443	132	575
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-> 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

Output - Table 3-6

 -> qui nt = 4

Variabl e	Obs	Mean	Std. Dev.	Min	Max
meri t	114	5. 022092	1. 310226	4. 1525	8. 9

 -> qui nt = 5

Variabl e	Obs	Mean	Std. Dev.	Min	Max
meri t	111	5. 347946	1. 259555	4. 588	9. 666667

. by qui ntD, sort: summarize meri t

 -> qui ntD = 1

Variabl e	Obs	Mean	Std. Dev.	Min	Max
meri t	132	3. 793449	1. 161685	1. 636667	8. 35

 -> qui ntD = 2

Variabl e	Obs	Mean	Std. Dev.	Min	Max
meri t	118	4. 392384	1. 16586	3. 166667	8. 4

 -> qui ntD = 3

Variabl e	Obs	Mean	Std. Dev.	Min	Max
meri t	116	4. 717916	1. 250252	3. 55	9

 -> qui ntD = 4

Variabl e	Obs	Mean	Std. Dev.	Min	Max
meri t	117	5. 007632	1. 341091	3. 681667	9. 166667

 -> qui ntD = 5

Variabl e	Obs	Mean	Std. Dev.	Min	Max
meri t	92	5. 150871	1. 255316	3. 858333	9. 666667

. summarize qui ntTOP qui ntDTOP qui nt2ND qui ntD2ND qui ntMI D qui ntDMI D qui nt4TH
 qui ntD4TH qui ntBOT

Output - Table 3-6

> qui ntDBOT

Variabl e	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

Variabl e	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

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

-> qui ntTOP = 1

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

. by qui ntBOT, sort: summarize morate

-> qui ntBOT = 0

Output - Table 3-6

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: summariz e 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: summariz e 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: summariz e morate

-> sal adj = 0

Variabl e	Obs	Mean	Std. Dev.	Min	Max
morate	557	8742. 857	2569. 913	4084	19444. 46

Output - Table 3-6

-> saladj = 1

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

. by seadj, sort: summarize morate

-> seadj = 0

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

-> seadj = 1

Variabl e	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

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

-> profship = 1

Variabl e	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

Variabl e	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

Output - Table 3-6

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)

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

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

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

Output - Table 3-6

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

Variabl e	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

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

-> qui ntTOP = 1

Variabl e	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

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

-> qui ntBOT = 1

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

. by qui ntDTOP, sort: summarize morate

Output - Table 3-6

 -> 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

Output - Table 3-6

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)
 Ho: diff = 0
 t = -0.2368
 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)
 Ho: diff = 0
 t = 0.9828
 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

Output - Table 3-6

```

di ff |          1509.96      1922.743      -3194.822      6214.742
-----
di ff = mean(0) - mean(1)
Ho: di ff = 0
degrees of freedom = 6
t = 0.7853

Ha: di ff < 0      Pr(T < t) = 0.7689
Ha: di ff != 0    Pr(|T| > |t|) = 0.4621
Ha: di ff > 0      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
di ff		-13.6086	343.9749		-690.4466 663.2294

```

di ff = mean(0) - mean(1)
Ho: di ff = 0
degrees of freedom = 308
t = -0.0396

Ha: di ff < 0      Pr(T < t) = 0.4842
Ha: di ff != 0    Pr(|T| > |t|) = 0.9685
Ha: di ff > 0      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
di ff		238.6714	773.7119		-1341.459 1818.802

```

di ff = mean(0) - mean(1)
Ho: di ff = 0
degrees of freedom = 30
t = 0.3085

Ha: di ff < 0      Pr(T < t) = 0.6201
Ha: di ff != 0    Pr(|T| > |t|) = 0.7599
Ha: di ff > 0      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

Output - Table 3-6

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

Output - Table 3-6

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

Output - Table 3-6

. by saladj, sort: summarize morate

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

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

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

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

. by seadj, sort: summarize morate

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

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

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

Variabl e	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
```

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

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

Variabl e	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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Output - Table 3-6

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

Output - Table 3-6

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		Ha: diff != 0		Ha: diff > 0		
Pr(T < t) = 0.9625		Pr(|T| > |t|) = 0.0749		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		Ha: diff != 0		Ha: diff > 0		
Pr(T < t) = 0.6503		Pr(|T| > |t|) = 0.6994		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		Ha: diff != 0		Ha: diff > 0		
Pr(T < t) = 0.9484		Pr(|T| > |t|) = 0.1033		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

Output - Table 3-6

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

Output - Table 3-6

. by qui ntDTOP, sort: summarize morate

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

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

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

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

. by qui ntDBOT, sort: summarize morate

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

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

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

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

. by sal adj, sort: summarize morate

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

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

```
-----
-----
-> sal adj = 1
```

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

. by seadj, sort: summarize morate

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

Output - Table 3-6

-> 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

Output - Table 3-6

Ho: di ff = 0 degrees of freedom = 218

Ha: di ff < 0
Pr(T < t) = 0.9516

Ha: di ff != 0
Pr(|T| > |t|) = 0.0969

Ha: di ff > 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
di ff		-184.0325	1255.628		-2703.635	2335.57

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

Ha: di ff < 0
Pr(T < t) = 0.4420

Ha: di ff != 0
Pr(|T| > |t|) = 0.8840

Ha: di ff > 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
di ff		740.7472	620.1795		-481.5369	1963.031

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

Ha: di ff < 0
Pr(T < t) = 0.8832

Ha: di ff != 0
Pr(|T| > |t|) = 0.2336

Ha: di ff > 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	.	.	.	.
di ff		413.1677	.	.	.	.

Output - Table 3-6

combined	212	9088.64	172.7872	2515.82	8748.03	9429.251
diff		633.3571	619.819		-588.5075	1855.222
diff = mean(0) - mean(1)				t =	1.0218	
Ho: diff = 0				degrees of freedom =	210	
Ha: diff < 0		Ha: diff != 0		Ha: diff > 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	.	.	.	.
combined	62	8853.498	.	.	.	.
diff		2222.667	.	.	.	.
diff = mean(0) - mean(1)				t =	.	
Ho: diff = 0				degrees of freedom =	60	
Ha: diff < 0		Ha: diff != 0		Ha: diff > 0		
Pr(T < t) = .		Pr(|T| > |t|) = .		Pr(T > t) = .		

. *by saladj, sort: ttest morate, by(hisp)
 . by seadj, sort: ttest morate, by(hisp)

-> 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
combined	244	8928.044	166.2731	2597.269	8600.523	9255.564
diff		510.9913	653.6151		-776.5097	1798.492
diff = mean(0) - mean(1)				t =	0.7818	
Ho: diff = 0				degrees of freedom =	242	
Ha: diff < 0		Ha: diff != 0		Ha: diff > 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]	
-------	-----	------	-----------	-----------	----------------------	--

Output - Table 3-6

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

Output - Table 3-6

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
-----------	-----	------	-----------	-----	-----

Output - Table 3-6

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

Output - Table 3-6

```

diff |          -184.0325      1255.628      -2703.635      2335.57
-----
diff = mean(0) - mean(1)
Ho: diff = 0
t = -0.1466
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(blckhisp)

-> 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
t = 2.1304
degrees of freedom = 235

Ha: diff < 0      Pr(T < t) = 0.9829
Ha: diff != 0    Pr(|T| > |t|) = 0.0342
Ha: diff > 0      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
t = 0.3883
degrees of freedom = 59

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

```

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

-> 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

```


Output - Table 3-6

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]	
-------	-----	------	-----------	-----------	----------------------	--

Output - Table 3-6

	0	1	combined	diff			
	61	7	68		8889.347	7831.283	8780.429
	325.647	353.8981	296.4593		2543.384	936.3265	2444.666
	8237.956	6965.325	8188.694				
	9540.738	8697.24	9372.164				
					1058.064	974.27	-887.1285
							3003.257

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(blckhi sp)

-> 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) t = 1.9330
 Ho: diff = 0 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) t =
 Ho: diff = 0 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(blckhi sp)

-> seadj = 0

Output - Table 3-6

 -> 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
----------	-----	------	-----------	-----	-----

Output - Table 3-6

Variable	Obs	Mean	Std. Dev.	Min	Max
morate	34	8186.247	1586.332	6558.14	13159.1

-> qui ntBOT = 1

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

. by qui ntDTOP, sort: summarize morate

-> qui ntDTOP = 0

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

-> qui ntDTOP = 1

Variable	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

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

-> qui ntDBOT = 1

Variable	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

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

-> sal adj = 1

Output - Table 3-6

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