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name: <unnamed>
log: C:\Users\k19056473\Downloads\pset3dofile.smcl
log type: smcl
opened on: 18 Oct 2019, 13:49:29

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1 .
2 . use "C:\Users\k19056473\Downloads\TeachingRatings.dta"
3 .
4 . *Question 1 a
5 .
6 . reg course_eval beauty, vce(robust)

```

```

Linear regression              Number of obs   =          463
                              F(1, 461)       =          16.94
                              Prob > F        =          0.0000
                              R-squared       =          0.0357
                              Root MSE    =          .54545

```

course_eval	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
beauty	.1330014	.0323189	4.12	0.000	.0694908	.1965121
_cons	3.998272	.0253493	157.73	0.000	3.948458	4.048087

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7 .
8 . *Question 1 b
9 .
10. reg course_eval beauty female, vce(robust)

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Linear regression              Number of obs   =          463
                              F(2, 460)     =          18.22
                              Prob > F      =          0.0000
                              R-squared     =          0.0663
                              Root MSE   =          .53732

```

course_eval	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
beauty	.1485876	.0321911	4.62	0.000	.0853278	.2118475
female	-.1978096	.0502136	-3.94	0.000	-.2964862	-.099133
_cons	4.081583	.0325602	125.36	0.000	4.017598	4.145568

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11.
12. *Question 1 c
13.
14. reg course_eval i.female##c.beauty, vce(robust)

```

```

Linear regression              Number of obs   =          463
                              F(3, 459)    =          12.65
                              Prob > F      =          0.0000
                              R-squared     =          0.0726
                              Root MSE   =          .5361

```

course_eval	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
1.female	-.1950969	.0501139	-3.89	0.000	-.2935781	-.0966158
beauty	.2002743	.0474587	4.22	0.000	.1070111	.2935375
female#c.beauty	-.1126579	.0623654	-1.81	0.072	-.235215	.0098992
_cons	4.085949	.0323893	126.15	0.000	4.0223	4.149599

```

15.
16. *Question 1 d
17.
18. reg course_eval i.female##c.beauty minority age onecredit nnenglish intro, vce(robust)
    > t)

```

Linear regression

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Number of obs   =      463
F(8, 454)       =      13.14
Prob > F        =      0.0000
R-squared       =      0.1644
Root MSE       =      .51167

```

course_eval	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
1.female	-.1795463	.0524193	-3.43	0.001	-.2825609	-.0765317
beauty	.2249199	.0466565	4.82	0.000	.1332304	.3166095
female#c.beauty 1	-.1373358	.0631631	-2.17	0.030	-.2614641	-.0132076
minority	-.1374131	.0696002	-1.97	0.049	-.2741917	-.0006345
age	-.0013197	.0026128	-0.51	0.614	-.0064544	.0038149
onecredit	.6550109	.1084423	6.04	0.000	.4418998	.8681221
nnenglish	-.2671156	.0945221	-2.83	0.005	-.4528706	-.0813606
intro	-.0032062	.0559005	-0.06	0.954	-.1130621	.1066497
_cons	4.142474	.1404355	29.50	0.000	3.86649	4.418459

19.