STaTa®
Statistics/Data Analysis

_____

```
      name:  <unnamed>
       log:  C:\Users\k19056473\Downloads\bm.smcl
  log type:  smcl
 opened on:  30 Sep 2019, 16:57:07
```

```
1 .
2 . use "C:\Users\k19056473\Downloads\bm.dta"

3 .
4 . *Question 2 a
5 . tab female black, col
```

Key
frequency
column percentage

	black		
female	0	1	Total
0	575	549	1,124
	23.61	22.55	23.08
1	1,860	1,886	3,746
	76.39	77.45	76.92
Total	2,435	2,435	4,870
	100.00	100.00	100.00

```
6 . tab computerskills black, col
```

Key
frequency
column percentage

1=resume mentions some computer skills	black 0	1	Total
0	466	408	874
	19.14	16.76	17.95
1	1,969	2,027	3,996
	80.86	83.24	82.05
Total	2,435	2,435	4,870
	100.00	100.00	100.00

```
7 .
8 .
```

9 . *Question 2 b
10. tab education black, col

```
┌─────────────────────────┐
│ Key                     │
├─────────────────────────┤
│        frequency        │
│    column percentage    │
└─────────────────────────┘
```

0=not reported; 1=HSD; 2=HSG; 3=some col; 4=col	black 0	1	Total
0	18 0.74	28 1.15	46 0.94
1	18 0.74	22 0.90	40 0.82
2	142 5.83	132 5.42	274 5.63
3	513 21.07	493 20.25	1,006 20.66
4	1,744 71.62	1,760 72.28	3,504 71.95
Total	2,435 100.00	2,435 100.00	4,870 100.00

11. tab ofjobs black, col

```
┌─────────────────────────┐
│ Key                     │
├─────────────────────────┤
│        frequency        │
│    column percentage    │
└─────────────────────────┘
```

number of jobs listed on resume	black 0	1	Total
1	54 2.22	56 2.30	110 2.26
2	347 14.25	357 14.66	704 14.46
3	726 29.82	703 28.87	1,429 29.34
4	800 32.85	811 33.31	1,611 33.08
5	258 10.60	275 11.29	533 10.94
6	243 9.98	221 9.08	464 9.53
7	7 0.29	12 0.49	19 0.39

```
       Total │    2,435      2,435  │    4,870
                100.00     100.00  │   100.00
```

12.
13.
14. *Question 2 c
15. summarize yearsexp if black==0

```
      Variable │        Obs        Mean    Std. Dev.        Min         Max
───────────────┼─────────────────────────────────────────────────────────
       yearsexp │      2,435    7.856263    5.079228          1          26
```

16. summarize yearsexp if black==1

```
      Variable │        Obs        Mean    Std. Dev.        Min         Max
───────────────┼─────────────────────────────────────────────────────────
       yearsexp │      2,435    7.829569    5.010764          1          44
```

17.
18. *Question 2 e
19. summarize call if black==0

```
      Variable │        Obs        Mean    Std. Dev.        Min         Max
───────────────┼─────────────────────────────────────────────────────────
          call │      2,435    .0965092     .295349          0           1
```

20. summarize call if black==1

```
      Variable │        Obs        Mean    Std. Dev.        Min         Max
───────────────┼─────────────────────────────────────────────────────────
          call │      2,435    .0644764    .2456501          0           1
```

21.
22. *Question 2 f
23. reg call black

```
        Source │        SS          df        MS          Number of obs   =       4,870
───────────────┼──────────────────────────────────         F(1, 4868)      =       16.93
         Model │   1.24928131        1   1.24928131         Prob > F        =      0.0000
      Residual │   359.197536     4,868   .073787497         R-squared       =      0.0035
───────────────┼──────────────────────────────────         Adj R-squared   =      0.0033
         Total │   360.446817     4,869   .074028921         Root MSE        =      .27164
```

```
          call │      Coef.    Std. Err.       t      P>|t|     [95% Conf. Interval]
───────────────┼────────────────────────────────────────────────────────────────────
         black │   -.0320329    .007785     -4.11    0.000     -.0472949    -.0167708
         _cons │    .0965092   .0055048     17.53    0.000      .0857173     .1073011
```

24.
25. *Question 2 g
26. reg call black female computerskills education ofjobs yearsexp

```
        Source │        SS          df        MS          Number of obs   =       4,870
───────────────┼──────────────────────────────────         F(6, 4863)      =        6.67
         Model │   2.94216909        6   .490361515         Prob > F        =      0.0000
      Residual │   357.504648     4,863   .073515247         R-squared       =      0.0082
───────────────┼──────────────────────────────────         Adj R-squared   =      0.0069
         Total │   360.446817     4,869   .074028921         Root MSE        =      .27114
```

call	Coef.	Std. Err.	t	P>|t|	[95% Conf. Interval]	
black	-.0316585	.0077746	-4.07	0.000	-.0469002	-.0164168
female	.0105578	.0095892	1.10	0.271	-.0082414	.029357
computersk~s	-.0175576	.0105438	-1.67	0.096	-.0382282	.0031131
education	-.0009213	.0055882	-0.16	0.869	-.0118767	.0100341
ofjobs	-.0026042	.0034589	-0.75	0.452	-.0093852	.0041768
yearsexp	.0033516	.0008135	4.12	0.000	.0017568	.0049463
_cons	.0891904	.0246338	3.62	0.000	.0408971	.1374838

27.