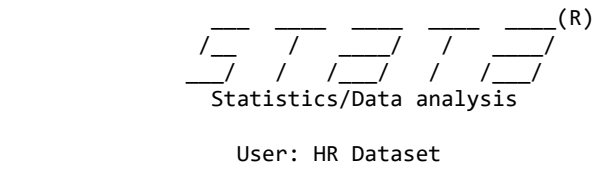

User: HR Dataset

```
 1 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

 2 . cd D:/MBA/Analytics/Stata/intro_hs0.csv
   unable to change to D:/MBA/Analytics/Stata/intro_hs0.csv
   r(170);

   end of do-file

   r(170);

 3 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

 4 . cd D:/MBA/Analytics/Stata
   D:\MBA\Analytics\Stata

 5 .
   end of do-file

 6 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

 7 . insheet using intro_hs0.csv, clear
   (11 vars, 200 obs)

 8 .
   end of do-file

 9 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

10 . describe

   Contains data
    Observations:           200
       Variables:            11
   ------------------------------------------------------------------------------------------------------------------------------
   Variable      Storage   Display    Value
       name         type    format    label      Variable label
   ------------------------------------------------------------------------------------------------------------------------------
   gender          byte    %8.0g
   id              int     %8.0g
   race            byte    %8.0g
   ses             byte    %8.0g
   schtyp          byte    %8.0g
   prgtype         str8    %9s
   read            byte    %8.0g
   write           byte    %8.0g
   math            byte    %8.0g
   science         byte    %8.0g
   socst           byte    %8.0g
   ------------------------------------------------------------------------------------------------------------------------------
   Sorted by:
        Note: Dataset has changed since last saved.
```

```
11 .
   end of do-file

12 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

13 . summarize
```

Variable	Obs	Mean	Std. dev.	Min	Max
gender	200	.545	.4992205	0	1
id	200	100.5	57.87918	1	200
race	200	3.44	1.049719	1	5
ses	200	2.055	.7242914	1	3
schtyp	200	1.16	.367526	1	2
prgtype	0				
read	200	52.23	10.25294	28	76
write	200	52.775	9.478586	31	67
math	200	52.645	9.368448	33	75
science	195	51.66154	9.866026	26	74
socst	200	52.405	10.73579	26	71

```
14 .
   end of do-file

15 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

16 . list gender-read in 1/10
```

	gender	id	race	ses	schtyp	prgtype	read
1.	0	70	4	1	1	general	57
2.	1	121	4	2	1	vocati	68
3.	0	86	4	3	1	general	44
4.	0	141	4	3	1	vocati	63
5.	0	172	4	2	1	academic	47
6.	0	113	4	2	1	academic	44
7.	0	50	3	2	1	general	50
8.	0	11	1	2	1	academic	34
9.	0	84	4	2	1	general	63
10.	0	48	3	2	1	academic	57

```
17 . summarize read math science write
```

Variable	Obs	Mean	Std. dev.	Min	Max
read	200	52.23	10.25294	28	76
math	200	52.645	9.368448	33	75
science	195	51.66154	9.866026	26	74
write	200	52.775	9.478586	31	67

```
18 . summarize if read>=60
```

Variable	Obs	Mean	Std. dev.	Min	Max
gender	56	.4821429	.5042031	0	1
id	56	109.75	50.62671	3	200
race	56	3.714286	.8678979	1	5
ses	56	2.375	.7276987	1	3
schtyp	56	1.178571	.3864591	1	2
prgtype	0				
read	56	65.48214	4.319053	60	76
write	56	59.53571	5.951209	43	67
math	56	60.25	8.369316	35	75
science	53	59.43396	6.640521	44	74
socst	56	60.875	7.963696	41	71

```
19 . summarize if prgtype=="academic"
```

Variable	Obs	Mean	Std. dev.	Min	Max
gender	105	.552381	.4996336	0	1
id	105	107.6286	61.0043	3	200
race	105	3.495238	1.010748	1	5
ses	105	2.219048	.7335498	1	3
schtyp	105	1.228571	.4219265	1	2
prgtype	0				
read	105	56.1619	9.588779	34	76
write	105	56.25714	7.943343	33	67
math	105	56.73333	8.730216	38	75
science	102	53.61765	9.012691	31	69
socst	105	56.69524	9.17367	31	71

```
20 . summarize read, detail
```

read

Percentiles		Smallest		
1%	32.5	28		
5%	36	31		
10%	39	34	Obs	200
25%	44	34	Sum of wgt.	200
50%	50		Mean	52.23
		Largest	Std. dev.	10.25294
75%	60	73		
90%	67	73	Variance	105.1227
95%	68	76	Skewness	.1948373
99%	74.5	76	Kurtosis	2.363052

```
21 .
end of do-file

22 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

23 . tab prgtype
```

prgtype	Freq.	Percent	Cum.
academic	**105**	**52.50**	**52.50**
general	**45**	**22.50**	**75.00**
vocati	**50**	**25.00**	**100.00**
Total	**200**	**100.00**	

```
24 .
end of do-file

25 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

26 . bysort prgtype: summarize read write
```

-> prgtype = academic

Variable	Obs	Mean	Std. dev.	Min	Max
read	**105**	**56.1619**	**9.588779**	**34**	**76**
write	**105**	**56.25714**	**7.943343**	**33**	**67**

-> prgtype = general

Variable	Obs	Mean	Std. dev.	Min	Max
read	**45**	**49.75556**	**9.234706**	**28**	**68**
write	**45**	**51.33333**	**9.397775**	**31**	**67**

-> prgtype = vocati

Variable	Obs	Mean	Std. dev.	Min	Max
read	**50**	**46.2**	**8.90769**	**31**	**68**
write	**50**	**46.76**	**9.318754**	**31**	**67**

```
27 .
end of do-file

28 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"
```

```
29 . tabstat read write math, by(prgtype) stat(n mean sd)

Summary statistics: N, Mean, SD
Group variable: prgtype
```

prgtype	read	write	math
academic	105	105	105
	56.1619	56.25714	56.73333
	9.588779	7.943343	8.730216
general	45	45	45
	49.75556	51.33333	50.02222
	9.234706	9.397775	7.442168
vocati	50	50	50
	46.2	46.76	46.42
	8.90769	9.318754	7.95418
Total	200	200	200
	52.23	52.775	52.645
	10.25294	9.478586	9.368448

```
30 .
   end of do-file

31 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

32 . correlate write read science
   (obs=195)
```

	write	read	science
write	1.0000		
read	0.5960	1.0000	
science	0.5671	0.6171	1.0000

```
33 .
   end of do-file

34 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

35 . order id gender

36 .
   end of do-file

37 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"
```

```
38 . label variable schtyp "type of school"

39 .
   end of do-file

40 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

41 . rename gender female

42 .
   end of do-file

43 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

44 . gen score=read+write+math

45 .
   end of do-file

46 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

47 . gen score2=score^2

48 .
   end of do-file

49 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

50 . score
   score is not valid
   r(301);

   end of do-file

   r(301);

51 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

52 . gen pass=1 if score>=150
   (82 missing values generated)

53 .
   end of do-file

54 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

55 . replace pass=0 if pass==.
   (82 real changes made)

56 .
   end of do-file
```

```
57 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

58 . drop if read<40
(22 observations deleted)

59 .
end of do-file

60 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

61 . drop schtyp

62 .
end of do-file

63 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

64 . sort prgtype

65 .
end of do-file

66 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

67 . xi, prefix() i.prgtype
i.prgtype         _Iprgtype_1-3       (_Iprgtype_1 for prg~e==academic omitted)

68 .
end of do-file

69 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

70 . egen avgscore=mean(score)

71 .
end of do-file

72 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

73 . egen avggroupscore=mean(score), by(prgtype)

74 .
end of do-file

75 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

76 . ttest write=50

One-sample t test
```

Variable	Obs	Mean	Std. err.	Std. dev.	[95% conf. interval]	
write	**178**	**54.01124**	**.6704483**	**8.944896**	**52.68813**	**55.33434**

```
    mean = mean(write)                                        t =   5.9829
H0: mean = 50                                 Degrees of freedom =      177

    Ha: mean < 50               Ha: mean != 50                 Ha: mean > 50
 Pr(T < t) = 1.0000         Pr(|T| > |t|) = 0.0000          Pr(T > t) = 0.0000
```

```
77 .
   end of do-file

78 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

79 . ttest write=read

   Paired t test
```

Variable	Obs	Mean	Std. err.	Std. dev.	[95% conf.	interval]
write	**178**	**54.01124**	**.6704483**	**8.944896**	**52.68813**	**55.33434**
read	**178**	**54.23596**	**.6718225**	**8.96323**	**52.91014**	**55.56177**
diff	**178**	**-.2247191**	**.653111**	**8.713588**	**-1.513606**	**1.064168**

```
     mean(diff) = mean(write - read)                               t =  -0.3441
 H0: mean(diff) = 0                           Degrees of freedom =      177

 Ha: mean(diff) < 0           Ha: mean(diff) != 0           Ha: mean(diff) > 0
 Pr(T < t) = 0.3656         Pr(|T| > |t|) = 0.7312          Pr(T > t) = 0.6344

80 .
   end of do-file

81 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

82 . ttest write, by(female)

   Two-sample t test with equal variances
```

Group	Obs	Mean	Std. err.	Std. dev.	[95% conf.	interval]
0	**80**	**51.5875**	**1.104464**	**9.878623**	**49.38912**	**53.78588**
1	**98**	**55.9898**	**.7674603**	**7.59747**	**54.4666**	**57.51299**
Combined	**178**	**54.01124**	**.6704483**	**8.944896**	**52.68813**	**55.33434**
diff		**-4.402296**	**1.310262**		**-6.988143**	**-1.816449**

```
    diff = mean(0) - mean(1)                                      t =  -3.3599
H0: diff = 0                                 Degrees of freedom =      176

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 0.0005         Pr(|T| > |t|) = 0.0010          Pr(T > t) = 0.9995

83 .
   end of do-file

84 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"
```

```
85 . reg write read female
```

Source	SS	df	MS	Number of obs	=	178
				F(2, 175)	=	50.27
Model	5167.5304	2	2583.7652	Prob > F	=	0.0000
Residual	8994.44713	175	51.3968407	R-squared	=	0.3649
				Adj R-squared	=	0.3576
Total	14161.9775	177	80.0111725	Root MSE	=	7.1692

write	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
read	.553221	.0603852	9.16	0.000	.4340441	.672398
female	5.333316	1.085009	4.92	0.000	3.191928	7.474704
_cons	21.07045	3.426077	6.15	0.000	14.3087	27.83219

```
86 .
   end of do-file

87 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

88 . xi: reg write read female i.prgtype
   i.prgtype         _Iprgtype_1-3       (_Iprgtype_1 for prg~e==academic omitted)
```

Source	SS	df	MS	Number of obs	=	178
				F(4, 173)	=	28.83
Model	5664.21534	4	1416.05383	Prob > F	=	0.0000
Residual	8497.76219	173	49.1200127	R-squared	=	0.4000
				Adj R-squared	=	0.3861
Total	14161.9775	177	80.0111725	Root MSE	=	7.0086

write	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
read	.4863487	.0629515	7.73	0.000	.3620968	.6106005
female	5.283944	1.063386	4.97	0.000	3.185064	7.382825
_Iprgtype_2	-2.184461	1.354077	-1.61	0.109	-4.8571	.4881779
_Iprgtype_3	-4.419463	1.416907	-3.12	0.002	-7.216113	-1.622814
_cons	26.13406	3.752159	6.97	0.000	18.72815	33.53996

```
89 .
   end of do-file

90 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

91 . global ylist write

92 .
   end of do-file
```

```
 93 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

 94 . global xlist read female

 95 .
end of do-file

 96 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

 97 . summarize $ylist $xlist
```

Variable	Obs	Mean	Std. dev.	Min	Max
write	**178**	**54.01124**	**8.944896**	**31**	**67**
read	**178**	**54.23596**	**8.96323**	**41**	**76**
female	**178**	**.5505618**	**.4988401**	**0**	**1**

```
 98 .
end of do-file

 99 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

100 . reg $ylist $xlist
```

Source	SS	df	MS		
				Number of obs	= **178**
				F(2, 175)	= **50.27**
Model	**5167.5304**	**2**	**2583.7652**	Prob > F	= **0.0000**
Residual	**8994.44713**	**175**	**51.3968407**	R-squared	= **0.3649**
				Adj R-squared	= **0.3576**
Total	**14161.9775**	**177**	**80.0111725**	Root MSE	= **7.1692**

write	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
read	**.553221**	**.0603852**	**9.16**	**0.000**	**.4340441**	**.672398**
female	**5.333316**	**1.085009**	**4.92**	**0.000**	**3.191928**	**7.474704**
_cons	**21.07045**	**3.426077**	**6.15**	**0.000**	**14.3087**	**27.83219**

```
101 .
end of do-file

102 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

103 . ssc install outreg2
checking outreg2 consistency and verifying not already installed...
installing into C:\Users\Abc\ado\plus\...
installation complete.

104 .
end of do-file
```

```
105 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

106 . outreg2 using regression_output.txt, replace
    C:\Users\Abc\ado\plus/o/outreg2.ado
    dir : seeout

107 .
    end of do-file

108 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

109 . log close
    no log file open
    r(606);

    end of do-file

    r(606);

110 . outfile using "D:\MBA\Analytics\Stata\exp 1.raw", replace wide
    (file D:\MBA\Analytics\Stata\exp 1.raw not found)

111 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

112 . cd D:/MBA/Analytics/Stata/Linear Regression
    invalid syntax
    r(198);

    end of do-file

    r(198);

113 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

114 . cd D:\MBA\Analytics\Stata\Linear Regression
    invalid syntax
    r(198);

    end of do-file

    r(198);

115 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

116 . clear all

117 . set more off

118 .
    end of do-file
```

```
119 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

120 . cd D:\MBA\Analytics\Stata\Linear Regression
invalid syntax
r(198);

end of do-file

r(198);

121 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

122 . cd D:/MBA/Analytics/Stata/Linear Regression
invalid syntax
r(198);

end of do-file

r(198);

123 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

124 . cd D:/MBA/Analytics/Stata/lr
D:\MBA\Analytics\Stata\lr

125 .
end of do-file

126 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

127 . insheet using regression_auto.csv, clear
(8 vars, 26 obs)

128 .
end of do-file

129 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

130 . summarize
```

Variable	Obs	Mean	Std. dev.	Min	Max
make	0				
mpg	26	20.92308	4.757504	14	35
weight	26	3099.231	695.0794	2020	4330
weight1	26	3.099231	.6950794	2.02	4.33
price	26	6651.731	3371.12	3299	15906
foreign	26	.2692308	.4523443	0	1
repairs	26	3.269231	.7775702	2	5
length	26	190.0769	18.17014	163	222

```
131 .
    end of do-file

132 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

133 .
134 . decsribe
    command decsribe is unrecognized
    r(199);

    end of do-file

    r(199);

135 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

136 . describe

    Contains data
     Observations:            26
        Variables:             8
```

Variable name	Storage type	Display format	Value label	Variable label
make	str9	%9s		
mpg	byte	%8.0g		
weight	int	%8.0g		
weight1	float	%9.0g		
price	int	%8.0g		
foreign	byte	%8.0g		
repairs	byte	%8.0g		
length	int	%8.0g		

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

137 .
    end of do-file

138 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

139 . summarize
```

Variable	Obs	Mean	Std. dev.	Min	Max
make	**0**				
mpg	**26**	**20.92308**	**4.757504**	**14**	**35**
weight	**26**	**3099.231**	**695.0794**	**2020**	**4330**
weight1	**26**	**3.099231**	**.6950794**	**2.02**	**4.33**
price	**26**	**6651.731**	**3371.12**	**3299**	**15906**
foreign	**26**	**.2692308**	**.4523443**	**0**	**1**
repairs	**26**	**3.269231**	**.7775702**	**2**	**5**
length	**26**	**190.0769**	**18.17014**	**163**	**222**

```
140 .
    end of do-file

141 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

142 . summarize weight1, price
    option price not allowed
    r(198);

    end of do-file

    r(198);

143 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

144 . summarize weight1 price

    Variable |        Obs        Mean    Std. dev.       Min        Max
-------------+---------------------------------------------------------
     weight1 |         26    3.099231    .6950794       2.02       4.33
       price |         26    6651.731     3371.12       3299      15906

145 .
    end of do-file

146 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

147 . regress weight1 price

      Source |       SS           df       MS      Number of obs   =        26
-------------+----------------------------------   F(1, 24)        =     10.74
       Model |  3.7348244         1   3.7348244   Prob > F        =    0.0032
    Residual |  8.34356074        24  .347648364   R-squared       =    0.3092
-------------+----------------------------------   Adj R-squared   =    0.2804
       Total |  12.0783851        25  .483135405   Root MSE        =    .58962

------------------------------------------------------------------------------
     weight1 | Coefficient  Std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
       price |   .0001147    .000035     3.28   0.003     .0000425    .0001869
       _cons |    2.33658   .2598297     8.99   0.000     1.800318    2.872842
------------------------------------------------------------------------------

148 .
    end of do-file

149 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

150 . summarize weight1 price mpg length

    Variable |        Obs        Mean    Std. dev.       Min        Max
-------------+---------------------------------------------------------
     weight1 |         26    3.099231    .6950794       2.02       4.33
       price |         26    6651.731     3371.12       3299      15906
         mpg |         26    20.92308    4.757504         14         35
      length |         26    190.0769    18.17014        163        222
```

```
151 .
    end of do-file

152 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

153 . regress weight1 price mpg
```

Source	SS	df	MS		
Model	**8.49716359**	**2**	**4.2485818**	Number of obs	= **26**
Residual	**3.58122155**	**23**	**.155705285**	F(2, 23)	= **27.29**
				Prob > F	= **0.0000**
Total	**12.0783851**	**25**	**.483135405**	R-squared	= **0.7035**
				Adj R-squared	= **0.6777**
				Root MSE	= **.3946**

weight1	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
price	**.0000515**	**.000026**	**1.98**	**0.060**	**-2.39e-06**	**.0001054**
mpg	**-.1020757**	**.0184571**	**-5.53**	**0.000**	**-.1402571**	**-.0638942**
_cons	**4.892457**	**.4937795**	**9.91**	**0.000**	**3.870996**	**5.913917**

```
154 .
    end of do-file

155 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

156 . regression_auto mpg price
    command regression_auto is unrecognized
    r(199);

    end of do-file

    r(199);

157 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

158 . regression_auto mpg price
    command regression_auto is unrecognized
    r(199);

    end of do-file

    r(199);

159 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

160 . global ylist mpg

161 .
    end of do-file
```

```
162 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

163 . global xlist weight1 price foreign

164 .
end of do-file

165 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

166 . describe $ylist $xlist

Variable      Storage   Display    Value
    name         type    format    label      Variable label
------------------------------------------------------------------------------
mpg             byte    %8.0g
weight1         float   %9.0g
price           int     %8.0g
foreign         byte    %8.0g

167 .
end of do-file

168 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

169 . summarize $ylist $xlist

    Variable |        Obs        Mean    Std. dev.       Min        Max
-------------+---------------------------------------------------------
         mpg |         26    20.92308    4.757504         14         35
      weight1 |         26    3.099231    .6950794       2.02       4.33
       price |         26    6651.731     3371.12       3299      15906
     foreign |         26    .2692308    .4523443          0          1

170 .
end of do-file

171 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

172 . correlate $ylist $xlist
(obs=26)

             |      mpg  weight1    price  foreign
-------------+------------------------------------
         mpg |   1.0000
      weight1 |  -0.8082   1.0000
       price |  -0.4385   0.5561   1.0000
     foreign |   0.4003  -0.6011   0.0835   1.0000


173 .
end of do-file
```

```
174 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

175 . graph twoway(scatter $ylist $xlist)
) required
r(100);

end of do-file

r(100);

176 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

177 . graph twoway (scatter $ylist $xlist)

178 .
end of do-file

179 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

180 . reg $ylist $xlist
```

Source	SS	df	MS	Number of obs	=	26
				F(3, 22)	=	15.25
Model	382.079636	3	127.359879	Prob > F	=	0.0000
Residual	183.766518	22	8.35302354	R-squared	=	0.6752
				Adj R-squared	=	0.6309
Total	565.846154	25	22.6338462	Root MSE	=	2.8902

mpg	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
weight1	-7.121111	1.604674	-4.44	0.000	-10.449	-3.793222
price	.0002258	.0002654	0.85	0.404	-.0003245	.0007761
foreign	-2.507127	2.056569	-1.22	0.236	-6.772189	1.757935
_cons	42.1662	4.264753	9.89	0.000	33.32164	51.01075

```
181 .
end of do-file

182 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

183 . graph twoway (scatter $ylist $xlist) (lfit $ylist $xlist)
too many variables specified: mpg weight1 price foreign
r(103);

end of do-file

r(103);

184 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"
```

```
185 . graph twoway (scatter $ylist $xlist)(lfit $ylist $xlist)
    too many variables specified: mpg weight1 price foreign
    r(103);

    end of do-file

    r(103);

186 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

187 . predict y1hat, xb

188 .
    end of do-file

189 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

190 . summarize $ylist y1hat
```

Variable	Obs	Mean	Std. dev.	Min	Max
mpg	**26**	**20.92308**	**4.757504**	**14**	**35**
y1hat	**26**	**20.92308**	**3.909372**	**13.90232**	**27.88551**

```
191 .
    end of do-file

192 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

193 . graph twoway (Scatter y1hat $ylist)
    (note:  named style Scatter not found in class yxtype, default attributes used)
    (note:  yxtype not found in scheme, default attributes used)

194 .
    end of do-file

195 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

196 . graph twoway (Scatter $ylist $xlist) (Scatter y1hat $xlist)
    (note:  named style Scatter not found in class yxtype, default attributes used)
    (note:  yxtype not found in scheme, default attributes used)
    (note:  named style Scatter not found in class yxtype, default attributes used)
    (note:  yxtype not found in scheme, default attributes used)
    (note:  named style Scatter not found in class yxtype, default attributes used)
    (note:  yxtype not found in scheme, default attributes used)
    (note:  named style Scatter not found in class yxtype, default attributes used)
    (note:  yxtype not found in scheme, default attributes used)
    (note:  named style Scatter not found in class yxtype, default attributes used)
    (note:  yxtype not found in scheme, default attributes used)
    (note:  named style Scatter not found in class yxtype, default attributes used)
    (note:  yxtype not found in scheme, default attributes used)
```

```
197 .
    end of do-file

198 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

199 . predict e1hat resid
    (option xb assumed; fitted values)
    too many variables specified
    r(103);

    end of do-file

    r(103);

200 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

201 . predict e1hat, resid

202 .
    end of do-file

203 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

204 . summarize e1hat

    Variable |        Obs        Mean    Std. dev.       Min        Max
-------------+---------------------------------------------------------
       e1hat |         26    6.59e-09     2.71121  -4.694157    8.68946

205 .
    end of do-file

206 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

207 .
208 . graph twoway (scatter e1hat, $xlist)
    too few variables specified
    r(102);

    end of do-file

    r(102);

209 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

210 . graph twoway (scatter e1hat $xlist)

211 .
    end of do-file

212 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"
```

```
213 . graph oneway (scatter e1hat $xlist)
onewaygraph_g.new (scatter e1hat weight1 price foreign): class member function not found
r(4023);

end of do-file

r(4023);

214 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

215 . test $xlist

 ( 1)  weight1 = 0
 ( 2)  price = 0
 ( 3)  foreign = 0

       F(  3,    22) =   15.25
            Prob > F =    0.0000

216 .
end of do-file

217 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

218 . quietly reg $ylist $xlist

219 .
end of do-file

220 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

221 . margins, dydx(*) atmeans

Conditional marginal effects                                   Number of obs = 26
Model VCE: OLS

Expression: Linear prediction, predict()
dy/dx wrt:  weight1 price foreign
At: weight1 = 3.099231 (mean)
    price   = 6651.731 (mean)
    foreign = .2692308 (mean)
```

	Delta-method dy/dx	std. err.	t	P>|t|	[95% conf.	interval]
weight1	-7.121111	1.604674	-4.44	0.000	-10.449	-3.793222
price	.0002258	.0002654	0.85	0.404	-.0003245	.0007761
foreign	-2.507127	2.056569	-1.22	0.236	-6.772189	1.757935

```
222 .
    end of do-file

223 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

224 . margins, dydx(*)

    Average marginal effects                                  Number of obs = 26
    Model VCE: OLS

    Expression: Linear prediction, predict()
    dy/dx wrt:  weight1 price foreign
```

	dy/dx	Delta-method std. err.	t	P>|t|	[95% conf.	interval]
weight1	-7.121111	1.604674	-4.44	0.000	-10.449	-3.793222
price	.0002258	.0002654	0.85	0.404	-.0003245	.0007761
foreign	-2.507127	2.056569	-1.22	0.236	-6.772189	1.757935

```
225 .
    end of do-file

226 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

227 . clear all

228 . set more off

229 .
230 . cd D:/MBA/Analytics/Stata/hr
    unable to change to D:/MBA/Analytics/Stata/hr
    r(170);

    end of do-file

    r(170);

231 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

232 . cd D:/MBA/Analytics/Stata/
    D:\MBA\Analytics\Stata

233 .
    end of do-file

234 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

235 . insheet using hr.csv, clear
    (36 vars, 311 obs)
```

```
236 .
    end of do-file

237 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

238 . describe

    Contains data
     Observations:           311
        Variables:            36
```

Variable name	Storage type	Display format	Value label	Variable label
Employee_Name	str25	%25s		**Employee_Name**
empid	int	%8.0g		**EmpID**
marriedid	byte	%8.0g		**MarriedID**
maritalstatusid	byte	%8.0g		**MaritalStatusID**
genderid	byte	%8.0g		**GenderID**
empstatusid	byte	%8.0g		**EmpStatusID**
deptid	byte	%8.0g		**DeptID**
perfscoreid	byte	%8.0g		**PerfScoreID**
fromdiversity~d	byte	%8.0g		**FromDiversityJobFairID**
salary	long	%12.0g		**Salary**
termd	byte	%8.0g		**Termd**
positionid	byte	%8.0g		**PositionID**
position	str28	%28s		**Position**
state	str2	%9s		**State**
zip	long	%12.0g		**Zip**
dob	str10	%10s		**DOB**
sex	str2	%9s		**Sex**
maritaldesc	str9	%9s		**MaritalDesc**
citizendesc	str19	%19s		**CitizenDesc**
hispaniclatino	str3	%9s		**HispanicLatino**
racedesc	str32	%32s		**RaceDesc**
dateofhire	str10	%10s		**DateofHire**
dateoftermina~n	str10	%10s		**DateofTermination**
termreason	str32	%32s		**TermReason**
employmentsta~s	str22	%22s		**EmploymentStatus**
department	str20	%20s		**Department**
managername	str18	%18s		**ManagerName**
managerid	byte	%8.0g		**ManagerID**
recruitmentso~e	str23	%23s		**RecruitmentSource**
performancesc~e	str17	%17s		**PerformanceScore**
engagementsur~y	float	%9.0g		**EngagementSurvey**
empsatisfaction	byte	%8.0g		**EmpSatisfaction**
specialprojec~t	byte	%8.0g		**SpecialProjectsCount**
lastperforman~e	str10	%10s		**LastPerformanceReview_Date**
dayslatelast30	byte	%8.0g		**DaysLateLast30**
absences	byte	%8.0g		**Absences**

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

```
239 .
240 . summarize
```

Variable	Obs	Mean	Std. dev.	Min	Max
Employee_N~e	0				
empid	311	10156	89.92219	10001	10311
marriedid	311	.3987138	.4904227	0	1
maritalsta~d	311	.8102894	.9432392	0	4
genderid	311	.4340836	.4964348	0	1
empstatusid	311	2.392283	1.794383	1	5
deptid	311	4.610932	1.083487	1	6
perfscoreid	311	2.977492	.5870716	1	4
fromdivers~d	311	.0932476	.2912477	0	1
salary	311	69020.68	25156.64	45046	250000
termd	311	.3344051	.4725424	0	1
positionid	311	16.84566	6.223419	1	30
position	0				
state	0				
zip	311	6555.482	16908.4	1013	98052
dob	0				
sex	0				
maritaldesc	0				
citizendesc	0				
hispanicla~o	0				
racedesc	0				
dateofhire	0				
dateofterm~n	0				
termreason	0				
employment~s	0				
department	0				
managername	0				
managerid	303	14.57096	8.078306	1	39
recruitmen~e	0				
performanc~e	0				
engagement~y	311	4.11	.7899375	1.12	5
empsatisfa~n	311	3.890675	.909241	1	5
specialpro~t	311	1.21865	2.349421	0	8
lastperfor~e	0				
dayslatel~30	311	.414791	1.294519	0	6
absences	311	10.23794	5.852596	1	20

```
241 .
    end of do-file
```

```
242 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

243 . summarize position salary

    Variable |        Obs        Mean    Std. dev.       Min        Max
-------------+---------------------------------------------------------
    position |          0
      salary |        311    69020.68    25156.64      45046     250000

244 .
    end of do-file

245 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

246 . summarize positionid salary

    Variable |        Obs        Mean    Std. dev.       Min        Max
-------------+---------------------------------------------------------
  positionid |        311    16.84566    6.223419          1         30
      salary |        311    69020.68    25156.64      45046     250000

247 .
    end of do-file

248 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

249 . summarize positionid salary empsatisfaction

    Variable |        Obs        Mean    Std. dev.       Min        Max
-------------+---------------------------------------------------------
  positionid |        311    16.84566    6.223419          1         30
      salary |        311    69020.68    25156.64      45046     250000
empsatisfa~n |        311    3.890675     .909241          1          5

250 .
    end of do-file

251 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

252 . correlate positionid empsatisfaction
    (obs=311)

             | positi~d empsat~n
-------------+------------------
  positionid |   1.0000
empsatisfa~n |  -0.0104   1.0000


253 .
    end of do-file
```

```
254 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

255 . correlate position empsatisfaction
(position ignored because string variable)
(obs=311)

             | empsat~n
-------------+---------
empsatisfa~n |   1.0000


256 .
end of do-file

257 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

258 . correlate salary empsatisfaction
(obs=311)

             |   salary empsat~n
-------------+------------------
      salary |   1.0000
empsatisfa~n |   0.0627   1.0000


259 .
end of do-file

260 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

261 . graph twoway (Scatter salary empsatisfaction)
(note:  named style Scatter not found in class yxtype, default attributes used)
(note:  yxtype not found in scheme, default attributes used)

262 .
end of do-file

263 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

264 . correlate genderid salary
(obs=311)

             | genderid   salary
-------------+------------------
    genderid |   1.0000
      salary |   0.0561   1.0000


265 .
end of do-file
```

```
266 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

267 . graph twoway (Scatter salary genderid)
    (note:  named style Scatter not found in class yxtype, default attributes used)
    (note:  yxtype not found in scheme, default attributes used)

268 .
    end of do-file

269 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

270 . correlate salary perfscoreid
    (obs=311)

             |   salary perfsc~d
-------------+------------------
      salary |   1.0000
 perfscoreid |   0.1309   1.0000


271 .
    end of do-file

272 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

273 .
274 . graph twoway(Scatter salary perfscoreid)
    ) required
    r(100);

    end of do-file

    r(100);

275 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

276 . graph twoway (Scatter salary perfscoreid)
    (note:  named style Scatter not found in class yxtype, default attributes used)
    (note:  yxtype not found in scheme, default attributes used)

277 .
    end of do-file

278 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

279 . graph twoway (Bar salary perfscoreid)
    (note:  named style Bar not found in class yxtype, default attributes used)
    (note:  yxtype not found in scheme, default attributes used)

280 .
    end of do-file
```

```
281 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

282 . clear all

283 . set more off

284 .
285 . cd D:/MBA/Analytics/Stata/
    D:\MBA\Analytics\Stata

286 .
287 . insheet using hr.csv, clear
    (36 vars, 311 obs)

288 .
289 . describe

    Contains data
     Observations:           311
        Variables:            36
```

Variable name	Storage type	Display format	Value label	Variable label
Employee_Name	str25	%25s		**Employee_Name**
empid	int	%8.0g		**EmpID**
marriedid	byte	%8.0g		**MarriedID**
maritalstatusid	byte	%8.0g		**MaritalStatusID**
genderid	byte	%8.0g		**GenderID**
empstatusid	byte	%8.0g		**EmpStatusID**
deptid	byte	%8.0g		**DeptID**
perfscoreid	byte	%8.0g		**PerfScoreID**
fromdiversity~d	byte	%8.0g		**FromDiversityJobFairID**
salary	long	%12.0g		**Salary**
termd	byte	%8.0g		**Termd**
positionid	byte	%8.0g		**PositionID**
position	str28	%28s		**Position**
state	str2	%9s		**State**
zip	long	%12.0g		**Zip**
dob	str10	%10s		**DOB**
sex	str2	%9s		**Sex**
maritaldesc	str9	%9s		**MaritalDesc**
citizendesc	str19	%19s		**CitizenDesc**
hispaniclatino	str3	%9s		**HispanicLatino**
racedesc	str32	%32s		**RaceDesc**
dateofhire	str10	%10s		**DateofHire**
dateoftermina~n	str10	%10s		**DateofTermination**
termreason	str32	%32s		**TermReason**
employmentsta~s	str22	%22s		**EmploymentStatus**
department	str20	%20s		**Department**
managername	str18	%18s		**ManagerName**
managerid	byte	%8.0g		**ManagerID**
recruitmentso~e	str23	%23s		**RecruitmentSource**
performancesc~e	str17	%17s		**PerformanceScore**
engagementsur~y	float	%9.0g		**EngagementSurvey**
empsatisfaction	byte	%8.0g		**EmpSatisfaction**
specialprojec~t	byte	%8.0g		**SpecialProjectsCount**
lastperforman~e	str10	%10s		**LastPerformanceReview_Date**
dayslatelast30	byte	%8.0g		**DaysLateLast30**
absences	byte	%8.0g		**Absences**

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

```
290 .
291 . summarize
```

Variable	Obs	Mean	Std. dev.	Min	Max
Employee_N~e	0				
empid	311	10156	89.92219	10001	10311
marriedid	311	.3987138	.4904227	0	1
maritalsta~d	311	.8102894	.9432392	0	4
genderid	311	.4340836	.4964348	0	1
empstatusid	311	2.392283	1.794383	1	5
deptid	311	4.610932	1.083487	1	6
perfscoreid	311	2.977492	.5870716	1	4
fromdivers~d	311	.0932476	.2912477	0	1
salary	311	69020.68	25156.64	45046	250000
termd	311	.3344051	.4725424	0	1
positionid	311	16.84566	6.223419	1	30
position	0				
state	0				
zip	311	6555.482	16908.4	1013	98052
dob	0				
sex	0				
maritaldesc	0				
citizendesc	0				
hispanicla~o	0				
racedesc	0				
dateofhire	0				
dateofterm~n	0				
termreason	0				
employment~s	0				
department	0				
managername	0				
managerid	303	14.57096	8.078306	1	39
recruitmen~e	0				
performanc~e	0				
engagement~y	311	4.11	.7899375	1.12	5
empsatisfa~n	311	3.890675	.909241	1	5
specialpro~t	311	1.21865	2.349421	0	8
lastperfor~e	0				
dayslatel~30	311	.414791	1.294519	0	6
absences	311	10.23794	5.852596	1	20

```
292 .
```

```
293 . summarize positionid salary empsatisfaction
```

Variable	Obs	Mean	Std. dev.	Min	Max
positionid	**311**	**16.84566**	**6.223419**	**1**	**30**
salary	**311**	**69020.68**	**25156.64**	**45046**	**250000**
empsatisfa~n	**311**	**3.890675**	**.909241**	**1**	**5**

```
294 .
295 . correlate positionid empsatisfaction
(obs=311)
```

	positi~d	empsat~n
positionid	**1.0000**	
empsatisfa~n	**-0.0104**	**1.0000**

```
296 .
297 . correlate salary empsatisfaction
(obs=311)
```

	salary	empsat~n
salary	**1.0000**	
empsatisfa~n	**0.0627**	**1.0000**

```
298 .
299 . graph twoway (Scatter salary empsatisfaction)
(note:  named style Scatter not found in class yxtype, default attributes used)
(note:  yxtype not found in scheme, default attributes used)

300 .
301 . correlate genderid salary
(obs=311)
```

	genderid	salary
genderid	**1.0000**	
salary	**0.0561**	**1.0000**

```
302 .
303 . graph twoway (Scatter salary genderid)
(note:  named style Scatter not found in class yxtype, default attributes used)
(note:  yxtype not found in scheme, default attributes used)

304 .
305 . correlate salary perfscoreid
(obs=311)
```

	salary	perfsc~d
salary	**1.0000**	
perfscoreid	**0.1309**	**1.0000**

```
306 .
307 . graph twoway bar(Bar salary perfscoreid)
    ) required
    r(100);

    end of do-file

    r(100);

308 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

309 . graph twoway bar (Bar salary perfscoreid)
    variable Bar not found
    r(111);

    end of do-file

    r(111);

310 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

311 . graph twoway bar (salary perfscoreid)

312 .
    end of do-file

313 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

314 . graph twoway line (salary genderid)

315 .
    end of do-file

316 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

317 . graph twoway bar (salary genderid)

318 .
    end of do-file

319 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

320 . graph twoway (Scatter salary genderid)
    (note:  named style Scatter not found in class yxtype, default attributes used)
    (note:  yxtype not found in scheme, default attributes used)

321 .
    end of do-file

322 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"
```

```
323 . graph twoway (Scatter salary perfscoreid)
    (note:  named style Scatter not found in class yxtype, default attributes used)
    (note:  yxtype not found in scheme, default attributes used)

324 .
    end of do-file

325 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

326 . reg salary empsatisfaction
```

Source	SS	df	MS	Number of obs	=	311
				F(1, 309)	=	1.22
Model	771713514	1	771713514	Prob > F	=	0.2702
Residual	1.9541e+11	309	632407006	R-squared	=	0.0039
				Adj R-squared	=	0.0007
Total	1.9619e+11	310	632856382	Root MSE	=	25148

salary	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
empsatisfaction	1735.275	1570.864	1.10	0.270	-1355.668	4826.217
_cons	62269.3	6275.873	9.92	0.000	49920.44	74618.15

```
327 .
    end of do-file

328 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

329 . graph twoway (Scatter performancescore salary)
    string variables not allowed in varlist;
    performancescore is a string variable
    r(109);

    end of do-file

    r(109);

330 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

331 . graph twoway (Scatter marriedid salary)
    (note:  named style Scatter not found in class yxtype, default attributes used)
    (note:  yxtype not found in scheme, default attributes used)

332 .
    end of do-file

333 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

334 . graph twoway (Scatter salary marriedid)
    (note:  named style Scatter not found in class yxtype, default attributes used)
    (note:  yxtype not found in scheme, default attributes used)
```

```
335 .
    end of do-file

336 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

337 . correlate salary marritialstatusid
    variable marritialstatusid not found
    r(111);

    end of do-file

    r(111);

338 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

339 . correlate salary marritalstatusid
    variable marritalstatusid not found
    r(111);

    end of do-file

    r(111);

340 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

341 . correlate salary maritalstatusid
    (obs=311)

                 |   salary marita~d
-----------------+------------------
          salary |   1.0000
    maritalsta~d |  -0.0703   1.0000


342 .
    end of do-file

343 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

344 . graph twoway (Scatter salary maritalstatusid)
    (note:  named style Scatter not found in class yxtype, default attributes used)
    (note:  yxtype not found in scheme, default attributes used)

345 .
    end of do-file

346 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

347 . bysort empsatisfaction: summarize salary

-------------------------------------------------------------------------------
-> empsatisfaction = 1

    Variable |        Obs        Mean    Std. dev.       Min        Max
-------------+---------------------------------------------------------
      salary |          2       58039    1685.743      56847      59231

-------------------------------------------------------------------------------
-> empsatisfaction = 2
```

Variable	Obs	Mean	Std. dev.	Min	Max
salary	9	60733.67	10431.65	48513	83082

-> empsatisfaction = 3

Variable	Obs	Mean	Std. dev.	Min	Max
salary	108	69856.2	25948.53	46654	250000

-> empsatisfaction = 4

Variable	Obs	Mean	Std. dev.	Min	Max
salary	94	65684.62	21227.9	45115	180000

-> empsatisfaction = 5

Variable	Obs	Mean	Std. dev.	Min	Max
salary	98	72284.98	28417.56	45046	220450

```
348 .
    end of do-file

349 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

350 . bysort empsatisfaction: summarize salary absences
```

-> empsatisfaction = 1

Variable	Obs	Mean	Std. dev.	Min	Max
salary	2	58039	1685.743	56847	59231
absences	2	11	8.485281	5	17

-> empsatisfaction = 2

Variable	Obs	Mean	Std. dev.	Min	Max
salary	9	60733.67	10431.65	48513	83082
absences	9	7.555556	5.854723	3	20

-> empsatisfaction = 3

Variable	Obs	Mean	Std. dev.	Min	Max
salary	108	69856.2	25948.53	46654	250000
absences	108	9.990741	6.096568	1	20

-> empsatisfaction = 4

Variable	Obs	Mean	Std. dev.	Min	Max
salary	94	65684.62	21227.9	45115	180000
absences	94	10.19149	5.49345	1	20

-> empsatisfaction = 5

Variable	Obs	Mean	Std. dev.	Min	Max
salary	98	72284.98	28417.56	45046	220450
absences	98	10.78571	5.908669	1	20

```
351 .
    end of do-file

352 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

353 . bysort genderid: summarize salary absences
```

-> genderid = 0

Variable	Obs	Mean	Std. dev.	Min	Max
salary	176	67786.73	25805.67	45046	250000
absences	176	10.26136	5.994272	1	20

-> genderid = 1

Variable	Obs	Mean	Std. dev.	Min	Max
salary	135	70629.4	24285.29	45115	178000
absences	135	10.20741	5.684617	1	20

```
354 .
    end of do-file

355 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

356 . bysort maritalstatusid: summarize salary absences
```

-> maritalstatusid = 0

Variable	Obs	Mean	Std. dev.	Min	Max
salary	137	70052.58	26717.29	45395	220450
absences	137	9.773723	5.966811	1	20

-> maritalstatusid = 1

Variable	Obs	Mean	Std. dev.	Min	Max
salary	124	69827.72	25998.97	45433	250000
absences	124	10.92742	5.554129	1	20

-> maritalstatusid = 2

Variable	Obs	Mean	Std. dev.	Min	Max
salary	**30**	**64427.33**	**20136.35**	**45069**	**148999**
absences	**30**	**10**	**6.586297**	**1**	**20**

-> maritalstatusid = 3

Variable	Obs	Mean	Std. dev.	Min	Max
salary	**12**	**62934.33**	**5874.496**	**52984**	**74417**
absences	**12**	**8.583333**	**5.142662**	**1**	**17**

-> maritalstatusid = 4

Variable	Obs	Mean	Std. dev.	Min	Max
salary	**8**	**65195.13**	**18539.25**	**45046**	**107226**
absences	**8**	**10.875**	**6.621124**	**2**	**19**

```
357 .
    end of do-file

358 . do "C:\Users\Abc\AppData\Local\Temp\STD489c_000000.tmp"

359 . clear all

360 . set more off

361 .
    end of do-file

362 .
```