

```

log: E:\YURSER\logistic\ekForår 2006\stata2.log
log type: text
opened on: 14 Mar 2006, 10:30:32
use firm.clear
* definition af nye variable og labels til disse
* generate chdver=chd1 if (chd1=)
* generate age4=(age>48)+(age>52)+(age>56) if (age!=)
* label var age4 "age i fire grupper"
* label del agegroups 0 "0:45-48" 1 "1:49-52" 2 "2:53-56" 3 "3:56+"
>
* label val age4 agegroups
* generate sys160=sbp>160 if (sbp!=)
* generate smoke=cig>0 if (cig!=)
(1 missing value generated)
* drop if chd=1
(43 observations deleted)
* vi ønsker sex=2 dvs kvinder som reference
* char sex[omit] 2
* char sys160[omit] 0
* xi:logit chdver i.sys160 i.sex
i.sys160
      _Isex_1-2 (naturally coded; _Isex_2 omitted)
Iteration 0: log likelihood = -675.62283
Iteration 1: log likelihood = -639.93851
Iteration 2: log likelihood = -638.68006
Iteration 3: log likelihood = -638.6787
Logistic regression
Log likelihood = -638.6787
Number of obs   = 1363
LR chi2(2)      = 73.89
Prob > chi2     = 0.000
Pseudo R2       = 0.0547

chdver |      Coef.   Std. Err.      z    P>|z|   [95% Conf. Interval]
-----+-----
_Isys160_1 |  1.075291   .1536891     7.00   0.000   .7740655   1.376516
_Isex_1    |  .8749646   .1457309     6.00   0.000   .5893373   1.160592
_cons     | -2.170322   .1279629    -16.96   0.000  -2.421124  -1.919519

* predict fitted if e(sample)
(option p assumed; Pr(chdver))
* table sys160 sex if e(sample), c(sum fitted sum chdver)

sys160 |      sex
-----+-----
0       |  male   female
      117 |  52.86289  50
      47 |  51.13711  54

* tabodds chdver age4,w or

age4 |      cases   controls   odds ratio   [95% Conf. Interval]
-----+-----
0:45-48 |  51         308       0.80892   .53977   1.21227
1:49-52 |  61         298       1.00000   .62738   1.47628
2:53-56 |  64         254       1.30092   .83457   1.91552
3:56+   |  92         235       1.91252   1.32632   2.75781

Test of homogeneity (equal odds): chi2(3) = 23.27
Pr>chi2 = 0.0000
chi2(1) = 21.64
Pr>chi2 = 0.0000
* med age4=1 dvs 49-52 som reference
* tabodds chdver age4,w or base(2)

age4 |      cases   controls   odds ratio   [95% Conf. Interval]
-----+-----
0:45-48 |  51         308       0.80892   .53977   1.21227
1:49-52 |  61         298       1.00000   .62738   1.47628
2:53-56 |  64         254       1.30092   .83457   1.91552
3:56+   |  92         235       1.91252   1.32632   2.75781

Test of homogeneity (equal odds): chi2(3) = 23.27
Pr>chi2 = 0.0000
chi2(1) = 21.64
Pr>chi2 = 0.0000
Score test for trend of odds: Pr>chi2 = 0.0000
Test of homogeneity (equal odds): chi2(3) = 23.27
Pr>chi2 = 0.0000
chi2(1) = 21.64
Pr>chi2 = 0.0000

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```

stata2.log
* char age4[omit] 0
* xi: logit chdver i.age4
i.age4
      _Iage4_0-3 (naturally coded; _Iage4_0 omitted)
Iteration 0: log likelihood = -675.62283
Iteration 1: log likelihood = -664.52107
Iteration 2: log likelihood = -664.32526
Iteration 3: log likelihood = -664.32522
Logistic regression
Log likelihood = -664.32522
Number of obs   = 1363
LR chi2(3)      = 22.60
Prob > chi2     = 0.0000
Pseudo R2       = 0.0167

chdver |      Coef.   Std. Err.      z    P>|z|   [95% Conf. Interval]
-----+-----
_Iage4_1 |  .2120545   .2064067     1.03   0.304   -1.1924952   .6166043
_Iage4_2 |  .419823    .2059529     2.04   0.042   .0161627   .8234833
_Iage4_3 |  .8604772   .1948832     4.42   0.000   .4785131   1.242441
_cons    | -1.798274   .1511774    -11.90   0.000  -2.094576   -1.501972

* xi: logit chdver i.age4,or
i.age4
      _Iage4_0-3 (naturally coded; _Iage4_0 omitted)
Iteration 0: log likelihood = -675.62283
Iteration 1: log likelihood = -664.52107
Iteration 2: log likelihood = -664.32526
Iteration 3: log likelihood = -664.32522
Logistic regression
Log likelihood = -664.32522
Number of obs   = 1363
LR chi2(3)      = 22.60
Prob > chi2     = 0.0000
Pseudo R2       = 0.0167

chdver |      Coef.   Std. Err.      z    P>|z|   [95% Conf. Interval]
-----+-----
_Iage4_1 |  1.236215   .2551632     4.84   0.000   .7248982   1.852626
_Iage4_2 |  1.521692   .3133969     4.84   0.000   1.016294   2.027422
_Iage4_3 |  2.364289   .4607602     5.13   0.000   1.443673   3.284906

* testparm _Iage4*
(1)  _Iage4_1 = 0
(2)  _Iage4_2 = 0
(3)  _Iage4_3 = 0
      chi2( 3) = 22.74
      Prob > chi2 = 0.0000

* med age4=1 dvs 49-52 som reference
* char age4[omit] 1
* xi: logit chdver i.age4
i.age4
      _Iage4_0-3 (naturally coded; _Iage4_1 omitted)
Iteration 0: log likelihood = -675.62283
Iteration 1: log likelihood = -664.52107
Iteration 2: log likelihood = -664.32526
Iteration 3: log likelihood = -664.32522
Logistic regression
Log likelihood = -664.32522
Number of obs   = 1363
LR chi2(3)      = 22.60
Prob > chi2     = 0.0000
Pseudo R2       = 0.0167

chdver |      Coef.   Std. Err.      z    P>|z|   [95% Conf. Interval]
-----+-----
_Iage4_0 | -21.20545   .2064067    -103.03   0.000  -21.616043  -20.794952
_Iage4_2 |  .2077684   .1982704     1.05   0.295  -1.1808344   .5963713
_Iage4_3 |  .6484227   .1867459     3.47   0.001   .2824075   1.014338
_cons    | -1.586622   .1405317    -11.29   0.000  -1.861657  -1.310783

* xi: logit chdver i.age4,or
i.age4
      _Iage4_0-3 (naturally coded; _Iage4_1 omitted)
Iteration 0: log likelihood = -675.62283
Iteration 1: log likelihood = -664.52107
Iteration 2: log likelihood = -664.32526
Iteration 3: log likelihood = -664.32522
Logistic regression
Log likelihood = -664.32522
Number of obs   = 1363
LR chi2(3)      = 22.60
Prob > chi2     = 0.0000
Pseudo R2       = 0.0167

chdver |      Coef.   Std. Err.      z    P>|z|   [95% Conf. Interval]
-----+-----
_Iage4_0 |  .8089206   .1669657     4.84   0.000   .4785131   1.1383271
_Iage4_2 |  1.2309298   .2440566     5.04   0.000   .7365131   1.7253469
_Iage4_3 |  1.912522    .3571596     5.35   0.000   1.2066139   2.6184301

* testparm _Iage4*
(1)  _Iage4_0 = 0
(2)  _Iage4_2 = 0
(3)  _Iage4_3 = 0
      chi2( 3) = 22.74
      Prob > chi2 = 0.0000

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|                                |   |      |
|--------------------------------|---|------|
| Number of obs                  | = | 1363 |
| Number of variables            | = | 10   |
| Number of missing observations | = | 0    |

Pseudo R2 = 0.0659

[illegible]

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coded; _Isys160_0 omitted)

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Number of obs = 1363

Pseudo R2 = 0.0659

[illegible]

coded; \_Isex\_2 omitted)

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Number of obs = 1363
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Pseudo R2 = 0.0659

[illegible]

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