

## Online Resource 1: SPSS Syntax

### Construction of the variables and analyses

#### Independent variables

\* execute-commands at the end of variable transformations omitted to save space

\* education

```
compute educ_degree = 0.  
if (educ_level = 62 & educ_field = 1) educ_degree = 1.  
if (educ_level = 62 & educ_field = 3) educ_degree = 2.  
if (educ_level = 62 & educ_field = 4) educ_degree = 3.  
if (educ_level = 62 & educ_field = 5) educ_degree = 4.  
if (educ_level = 62 & educ_field = 7) educ_degree = 5.  
if (educ_level = 62 & educ_field = 9) educ_degree = 0.  
if (educ_level = 63 & educ_field = 1) educ_degree = 7.  
if (educ_level = 63 & educ_field = 3) educ_degree = 8.  
if (educ_level = 63 & educ_field = 4) educ_degree = 9.  
if (educ_level = 63 & educ_field = 5) educ_degree = 10.  
if (educ_level = 63 & educ_field = 7) educ_degree = 11.  
if (educ_level = 63 & educ_field = 9) educ_degree = 0.  
if (educ_level = 71 & educ_field = 1) educ_degree = 13.  
if (educ_level = 71 & educ_field = 3) educ_degree = 14.  
if (educ_level = 71 & educ_field = 4) educ_degree = 15.  
if (educ_level = 71 & educ_field = 5) educ_degree = 16.  
if (educ_level = 71 & educ_field = 7) educ_degree = 17.  
if (educ_level = 71 & educ_field = 9) educ_degree = 0.  
if (educ_level = 72 & educ_field = 1) educ_degree = 19.  
if (educ_level = 72 & educ_field = 3) educ_degree = 20.  
if (educ_level = 72 & educ_field = 4) educ_degree = 21.  
if (educ_level = 72 & educ_field = 5) educ_degree = 22.  
if (educ_level = 72 & educ_field = 7) educ_degree = 23.  
if (educ_level = 73 & educ_field = 7) educ_degree = 23.  
if (educ_level = 72 & educ_field = 9) educ_degree = 0.  
missing values educ_degree (0).
```

\* age category

```
recode age (25 thru 29 = 1) (30 thru 34 = 2) (35 thru 39 = 3) (40 thru 45 = 4) into age_cat.
```

\* parents' education

```
do if (father_educ_level = 72 | father_educ_level = 73 | father_educ_level = 8).  
compute father_ma = 1.  
else.  
compute father_ma = 0.  
end if.
```

```
do if (mother_educ_level = 72 | mother_educ_level = 73 | mother_educ_level = 8).  
compute mother_ma = 1.  
else.  
compute mother_ma = 0.  
end if.
```

```
recode father_ma mother_ma (sysmis = 0).  
do if (father_ma = 1 | mother_ma = 1).  
compute one_or_both_parents_ma = 1.  
else.  
compute one_or_both_parents_ma = 0.  
end if.
```

## Dependent variables

\* employed

compute employed = 0.

if (activity = 11) employed = 1.

\* white collar

compute white\_collar = 0.

if (ses = 31) | (ses = 32) | (ses = 33) | (ses = 34) white\_collar = 1.

\* leading white collar

compute leading\_white\_collar = 0.

if (ses = 31) leading\_white\_collar = 1.

\* highest wage quartile

sort cases by otos.

split file separate by otos.

frequencies variables=palkkatulot

/ntiles=4

/order=analysis.

compute hi\_quart\_wages = 0.

do if year = 2010 & educ\_degree ~ = 0.

recode wages (lo thru 21230 = 1) (21231 thru 33250 = 2) (33250 thru 45160 = 3) (45161 thru hi = 4) into  
quartiles\_wages.

if (quartiles\_wages = 4) hi\_quart\_wages = 1.

end if.

do if year = 2011 & educ\_degree ~ = 0.

recode wages (lo thru 22412,50 = 1) (22413 thru 34360 = 2) (34361 thru 46937,50 = 3) (46938 thru hi = 4) into  
quartiles\_wages.

if (quartiles\_wages = 4) hi\_quart\_wages = 1.

end if.

do if year = 2012 & educ\_degree ~ = 0.

recode wages (lo thru 17770 = 1) (17771 thru 33610 = 2) (33611 thru 46185 = 3) (46186 thru hi = 4) into  
quartiles\_wages.

if (quartiles\_wages = 4) hi\_quart\_wages = 1.

end if.

if (filter\_\$ = 0) hi\_quart\_wages = \$sysmis.

\* professional elite

do if (leading\_white\_collar = 1 & hi\_quart\_wages = 1 & employed = 1).

compute professional\_elite = 1.

else.

compute professional\_elite = 0.

end if.

\* students

compute student = 0.

if (activity = 22) student = 1.

\* educational groups for cross-tabulation / figure

recode educ\_degree (1 thru 5 = 1) (7 thru 11 = 2) (13 thru 17 = 3) (19 thru 23 = 4) (else = 0) into educ\_groups.

\* occupational groups for cross-tabulation / figure

recode occupation (0 thru 26 = 3) (31 thru 35 = 2) (41 thru 96 = 1) into occ\_groups.

## Analyses

logistic regression variables employed

```
/method=enter educ_degree  
/method=enter educ_degree one_or_both_parents_ma  
/method=enter educ_degree one_or_both_parents_ma gender  
/method=enter educ_degree one_or_both_parents_ma gender age_cat  
/contrast (age_cat)=simple  
/contrast (educ_degree)=simple  
/contrast (one_or_both_parents_ma)=simple  
/contrast (gender)=simple  
/classplot  
/print=goodfit ci(95)  
/criteria=pin(0.05) pout(0.10) iterate(20) cut(0.5).
```

logistic regression variables white\_collar

```
/method=enter educ_degree  
/method=enter educ_degree one_or_both_parents_ma  
/method=enter educ_degree one_or_both_parents_ma gender  
/method=enter educ_degree one_or_both_parents_ma gender age_cat  
/contrast (age_cat)=simple  
/contrast (educ_degree)=simple  
/contrast (one_or_both_parents_ma)=simple  
/contrast (gender)=simple  
/classplot  
/print=goodfit ci(95)  
/criteria=pin(0.05) pout(0.10) iterate(20) cut(0.5).
```

logistic regression variables leading\_white\_collar

```
/method=enter educ_degree  
/method=enter educ_degree one_or_both_parents_ma  
/method=enter educ_degree one_or_both_parents_ma gender  
/method=enter educ_degree one_or_both_parents_ma gender age_cat  
/contrast (age_cat)=simple  
/contrast (educ_degree)=simple  
/contrast (one_or_both_parents_ma)=simple  
/contrast (gender)=simple  
/classplot  
/print=goodfit ci(95)  
/criteria=pin(0.05) pout(0.10) iterate(20) cut(0.5).
```

logistic regression variables hi\_quart\_wages

```
/method=enter educ_degree  
/method=enter educ_degree one_or_both_parents_ma  
/method=enter educ_degree one_or_both_parents_ma gender  
/method=enter educ_degree one_or_both_parents_ma gender age_cat  
/contrast (age_cat)=simple  
/contrast (educ_degree)=simple  
/contrast (one_or_both_parents_ma)=simple  
/contrast (gender)=simple  
/classplot  
/print=goodfit ci(95)  
/criteria=pin(0.05) pout(0.10) iterate(20) cut(0.5).
```

```
logistic regression variables professional_elite
/method=enter educ_degree
/method=enter educ_degree one_or_both_parents_ma
/method=enter educ_degree one_or_both_parents_ma gender
/method=enter educ_degree one_or_both_parents_ma gender age_cat
/contrast (age_cat)=simple
/contrast (educ_degree)=simple
/contrast (one_or_both_parents_ma)=simple
/contrast (gender)=simple
/classplot
/print=goodfit ci(95)
/criteria=pin(0.05) pout(0.10) iterate(20) cut(0.5).
```

```
crosstabs
/tables=occ_groups by educ_groups
/format=avalue tables
/statistics=phi
/cells=count column
/count round cell.
```

```
crosstabs
/tables=student by educ_degree
/format=avalue tables
/statistics=phi
/cells=count column
/count round cell.
```