

Rettevejledning SASProg 22/6 2015;

```
*Opgave 1a) - 1c) er oplagte;

* Opgave 1 d);
proc format;
value antal_format
low-1999 = "Under 2000"
2000-high = "Over 2000"
;
run;
proc print data=sasprog.samf_values;
format value antal_format.;
run;

*Opgave 2;
proc transpose data=sasprog.Samf_values out=ny;
var value;
id v6;
idlabel v6;
by v1;
run;
data ny;
set ny;
drop _label_ _name_;
proc print data=ny label;
run;

*Opgave 3;
%macro omdan(gammelt_dataset, nyt_dataset,
bogstavs_variabel, numerisk_variabel);
data &nyt_dataset;
set &gammelt_dataset;
&numerisk_variabel=&bogstavs_variabel+0;
run;
%mend;
%omdan(gammelt_dataset=sasprog.Samf_values, nyt_dataset=asdf,
bogstavs_variabel=v1, numerisk_variabel=aar);
proc print data=asdf;
run;

*Opgave 4;
proc mi data=sasprog.Alle_bachelorers_impute out=asdf mu0=30.67;
run;
*kan raffineres om nødvendigt;

*Opgave 5;

proc cluster data=sasprog.Alle_bachelorers_cluster
method=ward ccc pseudo print=15 out=tree
plots=den(height=rsq);
id uddannelse;
run;
```

```
proc fastclus data=sasprog.Alle_bachelor_cluster out=Clust
    maxclusters=2 maxiter=100;
    var Andel_maend_under_25 Andel_maend_over_29 Andel_kvinder_under_25
Andel_kvinder_over_29;
run;
proc print data=clust;
run;
```