

## Multinomial Logistic Example Code Snippets

Here are some example code bits for specifications for multinomial logistic in SPSS, R, and SAS

### SPSS

website: <http://www.ats.ucla.edu/stat/spss/output/mlogit.htm>

```
nomreg ice_cream (base = 2) with video puzzle female  
/print = paramter summary cps mfi.
```

### R

website: <http://www.ats.ucla.edu/stat/r/dae/mlogit.htm>

```
ml$prog2 <- relevel(ml$prog, ref = "academic")  
test <- multinom(prog2 ~ ses + write, data = ml)  
summary(test)
```

### SAS

website: <http://support.sas.com/resources/papers/proceedings12/427-2012.pdf>

```
proc logistic data=temp01 ;  
class age_cat (ref="<60") psa_cat (ref="<=20") cancer (ref="No") / param=ref;  
model deftx1 (ref="RP") = age_cat psa_cat cancer / link=glogit;  
format deftx1 tx. age_cat agecat. psa_cat psacat. cancer yesno. ;  
title3 "Nominal outcome (generalized logit)";  
run;
```

note: the CLASS line is not needed, but automatically constructs dummy variables for the predictors