



SPSS Tip 14.2

Robust tests for factorial designs

To break down the syntax, we're using two functions (*t2way* and *mcp2atm*) that both have the same form:

```
t2way(outcome~predictor1*predictor2, data = mySPSSdata, tr = 0.2)
mcp2atm(outcome~predictor1*predictor2, data = mySPSSdata, tr = 0.2)
```

In our example we use our variable names to replace outcome with **Attractiveness** and predictors with **FaceType** and **Alcohol**. So the formula in the function becomes *Attractiveness ~ FaceType*Alcohol*. *tr* specifies the amount of trimming (by default 0.2, or 20%, but you could change it to a different proportion).