

```
# get the data from the respond to COLOR for upright words
coloronlydata=cleandata[cleandata$respto==COLOR, ]

# compute median RT as a function of subj, trial type, and rotation
rtbycondition=tapply(coloronlydata$rt,list(coloronlydata$subj,coloronlydata
$trialtype,coloronlydata$rotate),median)

# reorganize data for ANOVA
found = which(rtbycondition!=-999,arr.ind=T)
rtANOVA = data.frame(cbind(found,rtbycondition[found]))

# compute repeated-measures ANOVA
names(rtANOVA) = c('subj','cond','rotate','rt')
rtANOVA$subj=factor(rtANOVA$subj)
rtANOVA$cond=factor(rtANOVA$cond)
rtANOVA$rotate=factor(rtANOVA$rotate)
myaov = aov(rtANOVA$rt~rtANOVA$cond*rtANOVA$rotate+Error(rtANOVA$subj))
summary(myaov)
```