**PLOTTING CHOICE PROPORTIONS**

sal=read.csv('Expt1\_ChoiceData.csv')

val=read.csv('Expt2\_ChoiceData.csv')

sv=read.csv('Expt3\_ChoiceData.csv')

sal$sal=factor(sal$sal,levels=c("hs","ls","dist"))

val$val=factor(val$val,levels=c("hv","lv","dist"))

sv$val=factor(sv$val,levels=c("hv","lv","dist"))

**SAL**

e <- ggplot(sal, aes(x = sal, y = prop))

e+ geom\_violin(aes(color = firstTrain), position = position\_dodge(0.9) ) + geom\_boxplot(aes(color = firstTrain), width = 0.15,position = position\_dodge(0.9) ) + scale\_color\_manual(values = c("#0A76DB", "#E7B800"))+ylim(0,1)

**VAL**

e2 <- ggplot(val, aes(x = val, y = prop))

e2+ geom\_violin(aes(color = firstTrain),position = position\_dodge(0.9) ) + geom\_boxplot(aes(color = firstTrain), width = 0.15,position = position\_dodge(0.9) ) + scale\_color\_manual(values = c("#0A76DB", "#E7B800"))+ylim(0,1)

**SALVAL**

e3 <- ggplot(sv, aes(x = val, y = prop))

e3+ geom\_violin(aes(color = firstTrain),position = position\_dodge(0.9) ) + geom\_boxplot(aes(color = firstTrain), width = 0.15,position = position\_dodge(0.9) ) + scale\_color\_manual(values = c("#0A76DB", "#E7B800"))+ylim(0,1)

**PLOTTING SEQUENCE INDICES**

salSwitch=read.csv('Expt1\_TransitionData.csv')

valSwitch=read.csv('Expt2\_TransitionData.csv')

svSwitch=read.csv('Expt3\_TransitionData.csv')

a <- data.frame(group = "Saliency", value = salSwitch$seqInd)

b <- data.frame(group = "Reward", value = valSwitch$seqInd)

c <- data.frame(group = "Saliency and Reward", value = svSwitch$seqInd)

si=rbind(a,b,c)

ggplot(si)+geom\_boxplot(aes(x=group,y=value, color=group),width = 0.15,position = position\_dodge(0.9) ) + geom\_dotplot(aes(x=group,y=value,color=group, fill=group,alpha=0.05 ),binaxis='y',dotsize=0.5, stackdir='center', binwidth=.05)+xlab("Difference Between Targets")+ylab("Sequence Index")