df1StateName %in% NorthEast)]<-"North East" df1StateName %in% South)]<-"South" df1StateName %in% west)]<-"West" df1StateName %in% rockies)]<-"Rockies" df1StateName %in% midwest)]<-"Mid West" df1StateName %in% MaEc)]<-"Mid Atlantic / East Central" boxplot(df1$value,main="Box plot of the Republican votes from 1956 to 1972") boxplot(df1$value~df1$Region, main="Box plot of Republican votes by Region") qplot(variable,value,data=df1,facets = Region~.,color=StateName,geom="line")

library(cluster) library(reshape2) data("votes.repub") df<-as.data.frame(votes.repub[1:10,26:30]) colnames(df)<-c(1956,1960,1964,1968,1972) df["StateName"]<-rownames(df) df1<-melt(df,id.vars = "StateName") df1StateName) df1variable)) #qplot(data=df1,x=variable,y=value,color=StateName,aes(group=StateName,geom="line"))+geom\_line(aes(group=StateName)) StateNames<-unique(df1variable[df1$StateName=="Alabama"],df1StateName=="Alabama"],main="Republican Votes Percentages",xlab = "Years",ylab="Percentages",xlim = c(1953,1974)) for (i in seq(1:length(StateNames))){ lines(df1StateName==StateNames[i]],df1StateName==StateNames[i]],col=i,type="b") } abline(h=50,lty=2) #par(xpd=TRUE) legend("bottomleft",legend=StateNames,lty=1,cex=0.5,col=1:10)