

```
data2<- read.csv("dataset/Data.csv")
```

```
library(ISLR)  
library(leaps)  
library(MASS)
```

```
data1 <- read.csv("dataset/ikram.csv",header=TRUE)
```

```
print(getwd())  
str(data1)  
summary(data1)  
plot.default(data1)
```

```
b<-regsubsets(i~.,data=data1,nbest=2,nvmax=4,really.big=TRUE)  
summary(b)  
plot(b)
```

```
#for nvmax=4  
reg3<-regsubsets(class~i+WPS+Qmarks+Unique+Dic+Sixltr+funct+pronoun+ppron+we+you+s  
hehe+they+ipron+article+verb+auxverb+past+present+future+adverb+preps+conj+negate+quan  
t+number+swear+social+family+friend+humans+affect+posemo+negemo+anx+anger+sad+cog  
mech+insight+cause+discrep+tentat+certain+inhib+incl+excl+percept+see+hear+feel+bio+body  
+health+sexual+ingest+relativ+motion+space+time+work+achieve+leisure+home+money+relig  
+death+assent+nonfl+filler,data=data1,nbest=2,nvmax=4,really.big=TRUE)  
summary(reg3)
```

```
#for nvmax=5  
reg3<-regsubsets(class~i+WPS+Qmarks+Unique+Dic+Sixltr+funct+pronoun+ppron+we+you+s  
hehe+they+ipron+article+verb+auxverb+past+present+future+adverb+preps+conj+negate+quan  
t+number+swear+social+family+friend+humans+affect+posemo+negemo+anx+anger+sad+cog  
mech+insight+cause+discrep+tentat+certain+inhib+incl+excl+percept+see+hear+feel+bio+body  
+health+sexual+ingest+relativ+motion+space+time+work+achieve+leisure+home+money+relig  
+death+assent+nonfl+filler,data=data1,nbest=2,nvmax=5,really.big=TRUE)
```

```
summary(reg3)
```

```
#for nvmax=6
```

```
reg3<-regsubsets(class~i+WPS+Qmarks+Unique+Dic+Sixltr+funct+pronoun+ppron+we+you+s  
hehe+they+ipron+article+verb+auxverb+past+present+future+adverb+preps+conj+negate+quan  
t+number+swear+social+family+friend+humans+affect+posemo+negemo+anx+anger+sad+cog  
mech+insight+cause+discrep+tentat+certain+inhib+incl+excl+percept+see+hear+feel+bio+body  
+health+sexual+ingest+relativ+motion+space+time+work+achieve+leisure+home+money+relig  
+death+assent+nonfl+filler,data=data1,nbest=2,nvmax=6,really.big=TRUE)  
summary(reg3)
```

```
#for nvmax=7
```

```
reg3<-regsubsets(class~i+WPS+Qmarks+Unique+Dic+Sixltr+funct+pronoun+ppron+we+you+s  
hehe+they+ipron+article+verb+auxverb+past+present+future+adverb+preps+conj+negate+quan  
t+number+swear+social+family+friend+humans+affect+posemo+negemo+anx+anger+sad+cog  
mech+insight+cause+discrep+tentat+certain+inhib+incl+excl+percept+see+hear+feel+bio+body  
+health+sexual+ingest+relativ+motion+space+time+work+achieve+leisure+home+money+relig  
+death+assent+nonfl+filler,data=data1,nbest=2,nvmax=7,really.big=TRUE)  
summary(reg3)
```

```
#for nvmax=8
```

```
reg3<-regsubsets(class~i+WPS+Qmarks+Unique+Dic+Sixltr+funct+pronoun+ppron+we+you+s  
hehe+they+ipron+article+verb+auxverb+past+present+future+adverb+preps+conj+negate+quan  
t+number+swear+social+family+friend+humans+affect+posemo+negemo+anx+anger+sad+cog  
mech+insight+cause+discrep+tentat+certain+inhib+incl+excl+percept+see+hear+feel+bio+body  
+health+sexual+ingest+relativ+motion+space+time+work+achieve+leisure+home+money+relig  
+death+assent+nonfl+filler,data=data1,nbest=2,nvmax=8,really.big=TRUE)  
summary(reg3)
```

```
#for nvmax=9
```

```
reg3<-regsubsets(class~i+WPS+Qmarks+Unique+Dic+Sixltr+funct+pronoun+ppron+we+you+s  
hehe+they+ipron+article+verb+auxverb+past+present+future+adverb+preps+conj+negate+quan  
t+number+swear+social+family+friend+humans+affect+posemo+negemo+anx+anger+sad+cog  
mech+insight+cause+discrep+tentat+certain+inhib+incl+excl+percept+see+hear+feel+bio+body  
+health+sexual+ingest+relativ+motion+space+time+work+achieve+leisure+home+money+relig  
+death+assent+nonfl+filler,data=data1,nbest=2,nvmax=9,really.big=TRUE)  
summary(reg3)
```

```
#for nvmax=10
reg10<-regsubsets(class~i+WPS+Qmarks+Unique+Dic+Sixltr+funct+pronoun+ppron+we+you+
shehe+they+ipron+article+verb+auxverb+past+present+future+adverb+preps+conj+negate+qua
nt+number+swear+social+family+friend+humans+affect+posemo+negemo+anx+anger+sad+co
gmech+insight+cause+discrep+tentat+certain+inhib+incl+excl+percept+see+hear+feel+bio+bod
y+health+sexual+ingest+relativ+motion+space+time+work+achieve+leisure+home+money+relig
+death+assent+nonfl+filler,data=data1,nbest=2,nvmax=10,really.big=TRUE)
summary(reg10)
```