

# HW9.R

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Homework 9

```
rm(list=ls())  
set.seed(513)
```

Data pre-processing

```
cancerData=read.csv("/Users/davidfu/Downloads/wisc_bc_ContinuousVar.csv", header=TRUE)  
  
cancerData <- na.omit(cancerData)  
cancerData$diagnosis <- as.factor(cancerData$diagnosis)  
cancerData$diagnosis <- as.numeric(cancerData$diagnosis)  
# create test and training dataset  
index <- seq(1,nrow(cancerData),by=5)  
test<-cancerData[index,]  
training<-cancerData[-index,]  
library('e1071')  
  
svm.model <- svm( diagnosis~ ., data =training )  
svm.pred <- predict(svm.model, test )  
  
table(actual=test[,5],svm.pred )
```

```
##          svm.pred  
## actual  0.876924778172117 0.891491268501024 0.904481572128861 0.907035417292919  
##   54.42                0                0                0                0  
##   54.53                0                0                0                0  
##   59.96                0                0                0                0  
##   61.24                0                0                0                0  
##   61.49                0                0                0                0  
##   62.5                 0                0                0                0  
##   63.19                0                0                0                0  
##   63.76                0                0                0                0  
##   64.12                0                0                0                0  
##   64.55                0                0                0                0  
##   65.67                0                0                0                0  
##   65.75                0                0                0                0
```

##	66.2	0	0	0	0
##	66.52	0	1	0	0
##	66.72	0	0	0	0
##	68.51	0	0	0	0
##	70.39	0	0	0	0
##	71.73	0	0	0	0
##	72.49	0	0	0	0
##	72.76	0	0	0	0
##	73.16	0	0	0	0
##	73.34	0	0	0	0
##	73.7	0	0	0	0
##	73.81	0	0	0	0
##	74.2	0	0	0	0
##	74.23	0	0	0	0
##	74.33	0	0	0	0
##	74.65	1	0	0	0
##	74.72	0	0	0	0
##	75.89	0	0	0	0
##	76.1	0	0	0	0
##	76.2	0	0	0	0
##	76.31	0	0	0	1
##	76.39	0	0	0	0
##	76.53	0	0	0	0
##	76.83	0	0	0	0
##	77.61	0	0	0	0
##	78.11	0	0	0	0
##	78.18	0	0	0	0
##	78.27	0	0	0	0
##	78.29	0	0	0	0
##	78.54	0	0	0	0
##	78.85	0	0	1	0
##	79.08	0	0	0	0
##	79.19	0	0	0	0
##	79.42	0	0	0	0
##	79.83	0	0	0	0
##	81.25	0	0	0	0
##	81.72	0	0	0	0
##	81.92	0	0	0	0
##	82.53	0	0	0	0
##	82.57	0	0	0	0
##	82.85	0	0	0	0
##	82.89	0	0	0	0
##	83.51	0	0	0	0
##	85.63	0	0	0	0
##	86.18	0	0	0	0
##	86.34	0	0	0	0
##	86.87	0	0	0	0
##	87.19	0	0	0	0
##	87.21	0	0	0	0
##	87.38	0	0	0	0
##	87.88	0	0	0	0
##	88.05	0	0	0	0
##	88.06	0	0	0	0
##	88.44	0	0	0	0

##	89.75	0	0	0	0
##	89.79	0	0	0	0
##	90.3	0	0	0	0
##	90.96	0	0	0	0
##	91.12	0	0	0	0
##	91.38	0	0	0	0
##	91.43	0	0	0	0
##	92.51	0	0	0	0
##	93.97	0	0	0	0
##	94.15	0	0	0	0
##	94.37	0	0	0	0
##	94.57	0	0	0	0
##	95.5	0	0	0	0
##	96.03	0	0	0	0
##	96.12	0	0	0	0
##	96.73	0	0	0	0
##	97.4	0	0	0	0
##	98.73	0	0	0	0
##	98.78	0	0	0	0
##	102.1	0	0	0	0
##	102.7	0	0	0	0
##	104.1	0	0	0	0
##	105.8	0	0	0	0
##	106.3	0	0	0	0
##	109	0	0	0	0
##	110.1	0	0	0	0
##	111.2	0	0	0	0
##	111.8	0	0	0	0
##	113.4	0	0	0	0
##	116	0	0	0	0
##	121.1	0	0	0	0
##	122.8	0	0	0	0
##	123.6	0	0	0	0
##	123.7	0	0	0	0
##	124.4	0	0	0	0
##	124.8	0	0	0	0
##	126.2	0	0	0	0
##	129.5	0	0	0	0
##	131.2	0	0	0	0
##	132.4	0	0	0	0
##	132.9	0	0	0	0
##	133.8	0	0	0	0
##	134.7	0	0	0	0
##	135.7	0	0	0	0
##	137.8	0	0	0	0
##	138.9	0	0	0	0
##	182.1	0	0	0	0
##	svm.pred				
##	actual	0.930449868583569	0.936328269506322	0.937926100856576	0.93856299818969
##	54.42	0	0	0	0
##	54.53	0	0	0	0
##	59.96	0	0	0	0
##	61.24	0	0	0	0
##	61.49	0	0	0	0

##	62.5	0	0	0	0
##	63.19	0	0	0	0
##	63.76	0	0	0	0
##	64.12	0	0	0	0
##	64.55	0	0	0	0
##	65.67	0	0	0	0
##	65.75	0	0	0	0
##	66.2	0	0	0	0
##	66.52	0	0	0	0
##	66.72	0	0	0	0
##	68.51	0	0	0	0
##	70.39	0	0	0	0
##	71.73	0	0	0	0
##	72.49	0	0	0	0
##	72.76	0	0	0	0
##	73.16	0	0	0	0
##	73.34	0	0	0	0
##	73.7	0	0	0	0
##	73.81	0	0	0	0
##	74.2	0	0	0	0
##	74.23	0	0	0	0
##	74.33	0	0	0	0
##	74.65	0	0	0	0
##	74.72	0	0	0	0
##	75.89	0	0	0	0
##	76.1	0	0	0	0
##	76.2	0	0	0	0
##	76.31	0	0	0	0
##	76.39	0	0	0	0
##	76.53	0	0	0	0
##	76.83	0	0	0	0
##	77.61	0	0	0	0
##	78.11	0	0	0	1
##	78.18	0	0	0	0
##	78.27	0	0	0	0
##	78.29	0	0	0	0
##	78.54	0	0	0	0
##	78.85	0	0	0	0
##	79.08	0	1	0	0
##	79.19	0	0	0	0
##	79.42	0	0	0	0
##	79.83	0	0	0	0
##	81.25	0	0	1	0
##	81.72	0	0	0	0
##	81.92	0	0	0	0
##	82.53	0	0	0	0
##	82.57	0	0	0	0
##	82.85	0	0	0	0
##	82.89	0	0	0	0
##	83.51	0	0	0	0
##	85.63	0	0	0	0
##	86.18	0	0	0	0
##	86.34	0	0	0	0
##	86.87	0	0	0	0

##	87.19	0	0	0	0
##	87.21	0	0	0	0
##	87.38	0	0	0	0
##	87.88	0	0	0	0
##	88.05	0	0	0	0
##	88.06	1	0	0	0
##	88.44	0	0	0	0
##	89.75	0	0	0	0
##	89.79	0	0	0	0
##	90.3	0	0	0	0
##	90.96	0	0	0	0
##	91.12	0	0	0	0
##	91.38	0	0	0	0
##	91.43	0	0	0	0
##	92.51	0	0	0	0
##	93.97	0	0	0	0
##	94.15	0	0	0	0
##	94.37	0	0	0	0
##	94.57	0	0	0	0
##	95.5	0	0	0	0
##	96.03	0	0	0	0
##	96.12	0	0	0	0
##	96.73	0	0	0	0
##	97.4	0	0	0	0
##	98.73	0	0	0	0
##	98.78	0	0	0	0
##	102.1	0	0	0	0
##	102.7	0	0	0	0
##	104.1	0	0	0	0
##	105.8	0	0	0	0
##	106.3	0	0	0	0
##	109	0	0	0	0
##	110.1	0	0	0	0
##	111.2	0	0	0	0
##	111.8	0	0	0	0
##	113.4	0	0	0	0
##	116	0	0	0	0
##	121.1	0	0	0	0
##	122.8	0	0	0	0
##	123.6	0	0	0	0
##	123.7	0	0	0	0
##	124.4	0	0	0	0
##	124.8	0	0	0	0
##	126.2	0	0	0	0
##	129.5	0	0	0	0
##	131.2	0	0	0	0
##	132.4	0	0	0	0
##	132.9	0	0	0	0
##	133.8	0	0	0	0
##	134.7	0	0	0	0
##	135.7	0	0	0	0
##	137.8	0	0	0	0
##	138.9	0	0	0	0
##	182.1	0	0	0	0

##	svm.pred				
##	actual	0.944839675341973	0.947996641230718	0.948760447348278	0.950163764280572
##	54.42	0	0	0	0
##	54.53	0	0	0	0
##	59.96	0	0	0	0
##	61.24	0	0	0	0
##	61.49	0	0	0	0
##	62.5	0	0	0	0
##	63.19	0	0	0	0
##	63.76	0	0	0	0
##	64.12	0	0	0	0
##	64.55	0	0	0	0
##	65.67	0	0	0	0
##	65.75	0	0	0	0
##	66.2	0	0	0	0
##	66.52	0	0	0	0
##	66.72	0	0	0	0
##	68.51	0	0	0	0
##	70.39	0	0	0	0
##	71.73	0	0	0	0
##	72.49	0	0	0	0
##	72.76	0	0	0	0
##	73.16	0	0	0	0
##	73.34	0	0	0	0
##	73.7	0	0	0	0
##	73.81	0	0	0	0
##	74.2	0	0	0	0
##	74.23	0	0	0	0
##	74.33	0	0	0	0
##	74.65	0	0	0	0
##	74.72	0	0	0	0
##	75.89	0	0	0	0
##	76.1	0	0	0	0
##	76.2	0	0	0	0
##	76.31	0	0	0	0
##	76.39	0	0	0	0
##	76.53	0	0	0	0
##	76.83	0	1	0	0
##	77.61	0	0	0	0
##	78.11	0	0	0	0
##	78.18	0	0	0	0
##	78.27	0	0	0	0
##	78.29	0	0	0	0
##	78.54	0	0	0	0
##	78.85	0	0	0	0
##	79.08	0	0	0	0
##	79.19	0	0	0	0
##	79.42	0	0	0	0
##	79.83	0	0	0	0
##	81.25	0	0	0	0
##	81.72	0	0	0	0
##	81.92	0	0	0	0
##	82.53	0	0	1	0
##	82.57	0	0	0	0

##	82.85	0	0	0	0
##	82.89	1	0	0	0
##	83.51	0	0	0	0
##	85.63	0	0	0	0
##	86.18	0	0	0	0
##	86.34	0	0	0	0
##	86.87	0	0	0	0
##	87.19	0	0	0	0
##	87.21	0	0	0	0
##	87.38	0	0	0	0
##	87.88	0	0	0	0
##	88.05	0	0	0	0
##	88.06	0	0	0	0
##	88.44	0	0	0	0
##	89.75	0	0	0	1
##	89.79	0	0	0	0
##	90.3	0	0	0	0
##	90.96	0	0	0	0
##	91.12	0	0	0	0
##	91.38	0	0	0	0
##	91.43	0	0	0	0
##	92.51	0	0	0	0
##	93.97	0	0	0	0
##	94.15	0	0	0	0
##	94.37	0	0	0	0
##	94.57	0	0	0	0
##	95.5	0	0	0	0
##	96.03	0	0	0	0
##	96.12	0	0	0	0
##	96.73	0	0	0	0
##	97.4	0	0	0	0
##	98.73	0	0	0	0
##	98.78	0	0	0	0
##	102.1	0	0	0	0
##	102.7	0	0	0	0
##	104.1	0	0	0	0
##	105.8	0	0	0	0
##	106.3	0	0	0	0
##	109	0	0	0	0
##	110.1	0	0	0	0
##	111.2	0	0	0	0
##	111.8	0	0	0	0
##	113.4	0	0	0	0
##	116	0	0	0	0
##	121.1	0	0	0	0
##	122.8	0	0	0	0
##	123.6	0	0	0	0
##	123.7	0	0	0	0
##	124.4	0	0	0	0
##	124.8	0	0	0	0
##	126.2	0	0	0	0
##	129.5	0	0	0	0
##	131.2	0	0	0	0
##	132.4	0	0	0	0

##	132.9	0	0	0	0
##	133.8	0	0	0	0
##	134.7	0	0	0	0
##	135.7	0	0	0	0
##	137.8	0	0	0	0
##	138.9	0	0	0	0
##	182.1	0	0	0	0
##	svm.pred				
##	actual	0.950615651515403	0.958128863892067	0.959972512122011	0.962108790198968
##	54.42	0	0	0	0
##	54.53	0	0	0	0
##	59.96	0	0	0	0
##	61.24	0	0	0	0
##	61.49	0	0	0	0
##	62.5	1	0	0	0
##	63.19	0	0	0	0
##	63.76	0	0	0	0
##	64.12	0	0	0	0
##	64.55	0	0	0	0
##	65.67	0	0	0	0
##	65.75	0	0	0	0
##	66.2	0	0	0	1
##	66.52	0	0	0	0
##	66.72	0	0	0	0
##	68.51	0	0	0	0
##	70.39	0	0	0	0
##	71.73	0	0	0	0
##	72.49	0	0	0	0
##	72.76	0	0	0	0
##	73.16	0	0	0	0
##	73.34	0	0	0	0
##	73.7	0	0	0	0
##	73.81	0	0	0	0
##	74.2	0	0	0	0
##	74.23	0	1	0	0
##	74.33	0	0	0	0
##	74.65	0	0	0	0
##	74.72	0	0	0	0
##	75.89	0	0	0	0
##	76.1	0	0	0	0
##	76.2	0	0	0	0
##	76.31	0	0	0	0
##	76.39	0	0	0	0
##	76.53	0	0	0	0
##	76.83	0	0	0	0
##	77.61	0	0	0	0
##	78.11	0	0	0	0
##	78.18	0	0	0	0
##	78.27	0	0	0	0
##	78.29	0	0	0	0
##	78.54	0	0	0	0
##	78.85	0	0	0	0
##	79.08	0	0	0	0
##	79.19	0	0	0	0



##	79.42	0	0	0	0
##	79.83	0	0	0	0
##	81.25	0	0	0	0
##	81.72	0	0	0	0
##	81.92	0	0	0	0
##	82.53	0	0	0	0
##	82.57	0	0	0	0
##	82.85	0	0	0	0
##	82.89	0	0	0	0
##	83.51	0	0	0	0
##	85.63	0	0	0	0
##	86.18	0	0	0	0
##	86.34	0	0	0	0
##	86.87	0	0	0	0
##	87.19	0	0	0	0
##	87.21	0	0	0	0
##	87.38	0	0	0	0
##	87.88	0	0	1	0
##	88.05	0	0	0	0
##	88.06	0	0	0	0
##	88.44	0	0	0	0
##	89.75	0	0	0	0
##	89.79	0	0	0	0
##	90.3	0	0	0	0
##	90.96	0	0	0	0
##	91.12	0	0	0	0
##	91.38	0	0	0	0
##	91.43	0	0	0	0
##	92.51	0	0	0	0
##	93.97	0	0	0	0
##	94.15	0	0	0	0
##	94.37	0	0	0	0
##	94.57	0	0	0	0
##	95.5	0	0	0	0
##	96.03	0	0	0	0
##	96.12	0	0	0	0
##	96.73	0	0	0	0
##	97.4	0	0	0	0
##	98.73	0	0	0	0
##	98.78	0	0	0	0
##	102.1	0	0	0	0
##	102.7	0	0	0	0
##	104.1	0	0	0	0
##	105.8	0	0	0	0
##	106.3	0	0	0	0
##	109	0	0	0	0
##	110.1	0	0	0	0
##	111.2	0	0	0	0
##	111.8	0	0	0	0
##	113.4	0	0	0	0
##	116	0	0	0	0
##	121.1	0	0	0	0
##	122.8	0	0	0	0
##	123.6	0	0	0	0

##	123.7	0	0	0	0
##	124.4	0	0	0	0
##	124.8	0	0	0	0
##	126.2	0	0	0	0
##	129.5	0	0	0	0
##	131.2	0	0	0	0
##	132.4	0	0	0	0
##	132.9	0	0	0	0
##	133.8	0	0	0	0
##	134.7	0	0	0	0
##	135.7	0	0	0	0
##	137.8	0	0	0	0
##	138.9	0	0	0	0
##	182.1	0	0	0	0
##	svm.pred				
##	actual	0.962470664373223	0.962485667876503	0.963003317011395	0.963328796341232
##	54.42	0	0	0	0
##	54.53	0	0	0	0
##	59.96	0	0	0	0
##	61.24	0	0	0	0
##	61.49	0	0	0	0
##	62.5	0	0	0	0
##	63.19	0	0	0	0
##	63.76	0	0	0	0
##	64.12	0	0	0	0
##	64.55	0	0	0	0
##	65.67	0	0	0	0
##	65.75	0	0	0	0
##	66.2	0	0	0	0
##	66.52	0	0	0	0
##	66.72	0	0	0	0
##	68.51	0	0	0	0
##	70.39	0	0	0	0
##	71.73	0	0	0	0
##	72.49	0	0	0	0
##	72.76	0	0	0	0
##	73.16	0	0	0	0
##	73.34	0	0	0	0
##	73.7	0	0	0	0
##	73.81	0	0	0	0
##	74.2	0	0	1	0
##	74.23	0	0	0	0
##	74.33	1	0	0	0
##	74.65	0	0	0	0
##	74.72	0	0	0	0
##	75.89	0	0	0	0
##	76.1	0	0	0	0
##	76.2	0	0	0	0
##	76.31	0	0	0	0
##	76.39	0	0	0	0
##	76.53	0	0	0	0
##	76.83	0	0	0	0
##	77.61	0	0	0	0
##	78.11	0	0	0	0

##	78.18	0	0	0	0
##	78.27	0	0	0	0
##	78.29	0	1	0	0
##	78.54	0	0	0	0
##	78.85	0	0	0	0
##	79.08	0	0	0	0
##	79.19	0	0	0	0
##	79.42	0	0	0	0
##	79.83	0	0	0	0
##	81.25	0	0	0	0
##	81.72	0	0	0	0
##	81.92	0	0	0	0
##	82.53	0	0	0	0
##	82.57	0	0	0	0
##	82.85	0	0	0	0
##	82.89	0	0	0	0
##	83.51	0	0	0	0
##	85.63	0	0	0	0
##	86.18	0	0	0	0
##	86.34	0	0	0	0
##	86.87	0	0	0	0
##	87.19	0	0	0	0
##	87.21	0	0	0	0
##	87.38	0	0	0	1
##	87.88	0	0	0	0
##	88.05	0	0	0	0
##	88.06	0	0	0	0
##	88.44	0	0	0	0
##	89.75	0	0	0	0
##	89.79	0	0	0	0
##	90.3	0	0	0	0
##	90.96	0	0	0	0
##	91.12	0	0	0	0
##	91.38	0	0	0	0
##	91.43	0	0	0	0
##	92.51	0	0	0	0
##	93.97	0	0	0	0
##	94.15	0	0	0	0
##	94.37	0	0	0	0
##	94.57	0	0	0	0
##	95.5	0	0	0	0
##	96.03	0	0	0	0
##	96.12	0	0	0	0
##	96.73	0	0	0	0
##	97.4	0	0	0	0
##	98.73	0	0	0	0
##	98.78	0	0	0	0
##	102.1	0	0	0	0
##	102.7	0	0	0	0
##	104.1	0	0	0	0
##	105.8	0	0	0	0
##	106.3	0	0	0	0
##	109	0	0	0	0
##	110.1	0	0	0	0

##	111.2	0	0	0	0
##	111.8	0	0	0	0
##	113.4	0	0	0	0
##	116	0	0	0	0
##	121.1	0	0	0	0
##	122.8	0	0	0	0
##	123.6	0	0	0	0
##	123.7	0	0	0	0
##	124.4	0	0	0	0
##	124.8	0	0	0	0
##	126.2	0	0	0	0
##	129.5	0	0	0	0
##	131.2	0	0	0	0
##	132.4	0	0	0	0
##	132.9	0	0	0	0
##	133.8	0	0	0	0
##	134.7	0	0	0	0
##	135.7	0	0	0	0
##	137.8	0	0	0	0
##	138.9	0	0	0	0
##	182.1	0	0	0	0
##	svm.pred				
##	actual	0.964457246371728	0.970537832404234	0.971950053890713	0.97900322232581
##	54.42	0	0	0	0
##	54.53	0	0	0	0
##	59.96	0	0	0	0
##	61.24	0	0	0	0
##	61.49	0	0	0	0
##	62.5	0	0	0	0
##	63.19	0	0	0	0
##	63.76	0	0	0	0
##	64.12	0	0	0	0
##	64.55	0	0	0	0
##	65.67	0	0	0	0
##	65.75	0	0	0	0
##	66.2	0	0	0	0
##	66.52	0	0	0	0
##	66.72	0	0	0	0
##	68.51	0	0	0	0
##	70.39	0	0	0	0
##	71.73	0	0	0	0
##	72.49	0	0	0	0
##	72.76	0	0	0	0
##	73.16	0	0	0	0
##	73.34	0	0	0	0
##	73.7	0	0	0	0
##	73.81	0	0	0	0
##	74.2	0	0	0	0
##	74.23	0	0	0	0
##	74.33	0	0	0	0
##	74.65	0	0	0	0
##	74.72	0	0	1	0
##	75.89	0	0	0	0
##	76.1	0	0	0	0

##	76.2	0	0	0	0
##	76.31	0	0	0	0
##	76.39	0	0	0	0
##	76.53	0	0	0	0
##	76.83	0	0	0	0
##	77.61	0	0	0	0
##	78.11	0	0	0	0
##	78.18	0	0	0	0
##	78.27	0	1	0	0
##	78.29	0	0	0	0
##	78.54	0	0	0	0
##	78.85	0	0	0	0
##	79.08	0	0	0	0
##	79.19	0	0	0	0
##	79.42	0	0	0	0
##	79.83	1	0	0	0
##	81.25	0	0	0	0
##	81.72	0	0	0	0
##	81.92	0	0	0	0
##	82.53	0	0	0	0
##	82.57	0	0	0	0
##	82.85	0	0	0	0
##	82.89	0	0	0	0
##	83.51	0	0	0	0
##	85.63	0	0	0	1
##	86.18	0	0	0	0
##	86.34	0	0	0	0
##	86.87	0	0	0	0
##	87.19	0	0	0	0
##	87.21	0	0	0	0
##	87.38	0	0	0	0
##	87.88	0	0	0	0
##	88.05	0	0	0	0
##	88.06	0	0	0	0
##	88.44	0	0	0	0
##	89.75	0	0	0	0
##	89.79	0	0	0	0
##	90.3	0	0	0	0
##	90.96	0	0	0	0
##	91.12	0	0	0	0
##	91.38	0	0	0	0
##	91.43	0	0	0	0
##	92.51	0	0	0	0
##	93.97	0	0	0	0
##	94.15	0	0	0	0
##	94.37	0	0	0	0
##	94.57	0	0	0	0
##	95.5	0	0	0	0
##	96.03	0	0	0	0
##	96.12	0	0	0	0
##	96.73	0	0	0	0
##	97.4	0	0	0	0
##	98.73	0	0	0	0
##	98.78	0	0	0	0

##	102.1	0	0	0	0
##	102.7	0	0	0	0
##	104.1	0	0	0	0
##	105.8	0	0	0	0
##	106.3	0	0	0	0
##	109	0	0	0	0
##	110.1	0	0	0	0
##	111.2	0	0	0	0
##	111.8	0	0	0	0
##	113.4	0	0	0	0
##	116	0	0	0	0
##	121.1	0	0	0	0
##	122.8	0	0	0	0
##	123.6	0	0	0	0
##	123.7	0	0	0	0
##	124.4	0	0	0	0
##	124.8	0	0	0	0
##	126.2	0	0	0	0
##	129.5	0	0	0	0
##	131.2	0	0	0	0
##	132.4	0	0	0	0
##	132.9	0	0	0	0
##	133.8	0	0	0	0
##	134.7	0	0	0	0
##	135.7	0	0	0	0
##	137.8	0	0	0	0
##	138.9	0	0	0	0
##	182.1	0	0	0	0
##	svm.pred				
##	actual	0.982111784339124	0.982533980240237	0.986204074294001	0.989767365133794
##	54.42	0	0	0	0
##	54.53	0	0	0	0
##	59.96	0	0	0	0
##	61.24	0	0	0	0
##	61.49	0	0	0	0
##	62.5	0	0	0	0
##	63.19	0	0	0	0
##	63.76	0	0	0	0
##	64.12	0	0	0	0
##	64.55	0	0	0	0
##	65.67	0	0	0	0
##	65.75	1	0	0	0
##	66.2	0	0	0	0
##	66.52	0	0	0	0
##	66.72	0	0	0	0
##	68.51	0	0	0	0
##	70.39	0	0	1	0
##	71.73	0	0	0	0
##	72.49	0	0	0	0
##	72.76	0	1	0	0
##	73.16	0	0	0	0
##	73.34	0	0	0	1
##	73.7	0	0	0	0
##	73.81	0	0	0	0

##	74.2	0	0	0	0
##	74.23	0	0	0	0
##	74.33	0	0	0	0
##	74.65	0	0	0	0
##	74.72	0	0	0	0
##	75.89	0	0	0	0
##	76.1	0	0	0	0
##	76.2	0	0	0	0
##	76.31	0	0	0	0
##	76.39	0	0	0	0
##	76.53	0	0	0	0
##	76.83	0	0	0	0
##	77.61	0	0	0	0
##	78.11	0	0	0	0
##	78.18	0	0	0	0
##	78.27	0	0	0	0
##	78.29	0	0	0	0
##	78.54	0	0	0	0
##	78.85	0	0	0	0
##	79.08	0	0	0	0
##	79.19	0	0	0	0
##	79.42	0	0	0	0
##	79.83	0	0	0	0
##	81.25	0	0	0	0
##	81.72	0	0	0	0
##	81.92	0	0	0	0
##	82.53	0	0	0	0
##	82.57	0	0	0	0
##	82.85	0	0	0	0
##	82.89	0	0	0	0
##	83.51	0	0	0	0
##	85.63	0	0	0	0
##	86.18	0	0	0	0
##	86.34	0	0	0	0
##	86.87	0	0	0	0
##	87.19	0	0	0	0
##	87.21	0	0	0	0
##	87.38	0	0	0	0
##	87.88	0	0	0	0
##	88.05	0	0	0	0
##	88.06	0	0	0	0
##	88.44	0	0	0	0
##	89.75	0	0	0	0
##	89.79	0	0	0	0
##	90.3	0	0	0	0
##	90.96	0	0	0	0
##	91.12	0	0	0	0
##	91.38	0	0	0	0
##	91.43	0	0	0	0
##	92.51	0	0	0	0
##	93.97	0	0	0	0
##	94.15	0	0	0	0
##	94.37	0	0	0	0
##	94.57	0	0	0	0

##	95.5	0	0	0	0
##	96.03	0	0	0	0
##	96.12	0	0	0	0
##	96.73	0	0	0	0
##	97.4	0	0	0	0
##	98.73	0	0	0	0
##	98.78	0	0	0	0
##	102.1	0	0	0	0
##	102.7	0	0	0	0
##	104.1	0	0	0	0
##	105.8	0	0	0	0
##	106.3	0	0	0	0
##	109	0	0	0	0
##	110.1	0	0	0	0
##	111.2	0	0	0	0
##	111.8	0	0	0	0
##	113.4	0	0	0	0
##	116	0	0	0	0
##	121.1	0	0	0	0
##	122.8	0	0	0	0
##	123.6	0	0	0	0
##	123.7	0	0	0	0
##	124.4	0	0	0	0
##	124.8	0	0	0	0
##	126.2	0	0	0	0
##	129.5	0	0	0	0
##	131.2	0	0	0	0
##	132.4	0	0	0	0
##	132.9	0	0	0	0
##	133.8	0	0	0	0
##	134.7	0	0	0	0
##	135.7	0	0	0	0
##	137.8	0	0	0	0
##	138.9	0	0	0	0
##	182.1	0	0	0	0
##	svm.pred				
##	actual	0.992617675318283	0.996282862155995	0.99729406596809	0.998184012079989
##	54.42	0	0	0	0
##	54.53	0	0	0	0
##	59.96	0	0	0	0
##	61.24	0	0	0	0
##	61.49	1	0	0	0
##	62.5	0	0	0	0
##	63.19	0	0	0	0
##	63.76	0	0	0	0
##	64.12	0	0	0	0
##	64.55	0	0	0	0
##	65.67	0	0	0	0
##	65.75	0	0	0	0
##	66.2	0	0	0	0
##	66.52	0	0	0	0
##	66.72	0	0	0	0
##	68.51	0	1	0	0
##	70.39	0	0	0	0



##	71.73	0	0	0	0
##	72.49	0	0	0	0
##	72.76	0	0	0	0
##	73.16	0	0	0	0
##	73.34	0	0	0	0
##	73.7	0	0	1	0
##	73.81	0	0	0	0
##	74.2	0	0	0	0
##	74.23	0	0	0	0
##	74.33	0	0	0	0
##	74.65	0	0	0	0
##	74.72	0	0	0	0
##	75.89	0	0	0	0
##	76.1	0	0	0	0
##	76.2	0	0	0	0
##	76.31	0	0	0	0
##	76.39	0	0	0	0
##	76.53	0	0	0	0
##	76.83	0	0	0	0
##	77.61	0	0	0	0
##	78.11	0	0	0	0
##	78.18	0	0	0	0
##	78.27	0	0	0	0
##	78.29	0	0	0	0
##	78.54	0	0	0	0
##	78.85	0	0	0	0
##	79.08	0	0	0	0
##	79.19	0	0	0	0
##	79.42	0	0	0	0
##	79.83	0	0	0	0
##	81.25	0	0	0	0
##	81.72	0	0	0	0
##	81.92	0	0	0	0
##	82.53	0	0	0	0
##	82.57	0	0	0	0
##	82.85	0	0	0	0
##	82.89	0	0	0	0
##	83.51	0	0	0	0
##	85.63	0	0	0	0
##	86.18	0	0	0	0
##	86.34	0	0	0	0
##	86.87	0	0	0	0
##	87.19	0	0	0	0
##	87.21	0	0	0	0
##	87.38	0	0	0	0
##	87.88	0	0	0	0
##	88.05	0	0	0	0
##	88.06	0	0	0	0
##	88.44	0	0	0	1
##	89.75	0	0	0	0
##	89.79	0	0	0	0
##	90.3	0	0	0	0
##	90.96	0	0	0	0
##	91.12	0	0	0	0

##	91.38	0	0	0	0
##	91.43	0	0	0	0
##	92.51	0	0	0	0
##	93.97	0	0	0	0
##	94.15	0	0	0	0
##	94.37	0	0	0	0
##	94.57	0	0	0	0
##	95.5	0	0	0	0
##	96.03	0	0	0	0
##	96.12	0	0	0	0
##	96.73	0	0	0	0
##	97.4	0	0	0	0
##	98.73	0	0	0	0
##	98.78	0	0	0	0
##	102.1	0	0	0	0
##	102.7	0	0	0	0
##	104.1	0	0	0	0
##	105.8	0	0	0	0
##	106.3	0	0	0	0
##	109	0	0	0	0
##	110.1	0	0	0	0
##	111.2	0	0	0	0
##	111.8	0	0	0	0
##	113.4	0	0	0	0
##	116	0	0	0	0
##	121.1	0	0	0	0
##	122.8	0	0	0	0
##	123.6	0	0	0	0
##	123.7	0	0	0	0
##	124.4	0	0	0	0
##	124.8	0	0	0	0
##	126.2	0	0	0	0
##	129.5	0	0	0	0
##	131.2	0	0	0	0
##	132.4	0	0	0	0
##	132.9	0	0	0	0
##	133.8	0	0	0	0
##	134.7	0	0	0	0
##	135.7	0	0	0	0
##	137.8	0	0	0	0
##	138.9	0	0	0	0
##	182.1	0	0	0	0
##	svm.pred				
##	actual	1.00121534414621	1.00413321978015	1.00476732490182	1.00596714206307
##	54.42	0	0	0	0
##	54.53	0	0	0	0
##	59.96	0	0	0	0
##	61.24	0	0	0	0
##	61.49	0	0	0	0
##	62.5	0	0	0	0
##	63.19	0	0	1	0
##	63.76	0	0	0	0
##	64.12	0	0	0	0
##	64.55	0	0	0	0

##	65.67	0	1	0	0
##	65.75	0	0	0	0
##	66.2	0	0	0	0
##	66.52	0	0	0	0
##	66.72	0	0	0	0
##	68.51	0	0	0	0
##	70.39	0	0	0	0
##	71.73	0	0	0	0
##	72.49	0	0	0	0
##	72.76	0	0	0	0
##	73.16	0	0	0	0
##	73.34	0	0	0	1
##	73.7	0	0	0	0
##	73.81	0	0	0	0
##	74.2	0	0	0	0
##	74.23	0	0	0	0
##	74.33	0	0	0	0
##	74.65	0	0	0	0
##	74.72	0	0	0	0
##	75.89	0	0	0	0
##	76.1	0	0	0	0
##	76.2	0	0	0	0
##	76.31	0	0	0	0
##	76.39	1	0	0	0
##	76.53	0	0	0	0
##	76.83	0	0	0	0
##	77.61	0	0	0	0
##	78.11	0	0	0	0
##	78.18	0	0	0	0
##	78.27	0	0	0	0
##	78.29	0	0	0	0
##	78.54	0	0	0	0
##	78.85	0	0	0	0
##	79.08	0	0	0	0
##	79.19	0	0	0	0
##	79.42	0	0	0	0
##	79.83	0	0	0	0
##	81.25	0	0	0	0
##	81.72	0	0	0	0
##	81.92	0	0	0	0
##	82.53	0	0	0	0
##	82.57	0	0	0	0
##	82.85	0	0	0	0
##	82.89	0	0	0	0
##	83.51	0	0	0	0
##	85.63	0	0	0	0
##	86.18	0	0	0	0
##	86.34	0	0	0	0
##	86.87	0	0	0	0
##	87.19	0	0	0	0
##	87.21	0	0	0	0
##	87.38	0	0	0	0
##	87.88	0	0	0	0
##	88.05	0	0	0	0

##	88.06	0	0	0	0
##	88.44	0	0	0	0
##	89.75	0	0	0	0
##	89.79	0	0	0	0
##	90.3	0	0	0	0
##	90.96	0	0	0	0
##	91.12	0	0	0	0
##	91.38	0	0	0	0
##	91.43	0	0	0	0
##	92.51	0	0	0	0
##	93.97	0	0	0	0
##	94.15	0	0	0	0
##	94.37	0	0	0	0
##	94.57	0	0	0	0
##	95.5	0	0	0	0
##	96.03	0	0	0	0
##	96.12	0	0	0	0
##	96.73	0	0	0	0
##	97.4	0	0	0	0
##	98.73	0	0	0	0
##	98.78	0	0	0	0
##	102.1	0	0	0	0
##	102.7	0	0	0	0
##	104.1	0	0	0	0
##	105.8	0	0	0	0
##	106.3	0	0	0	0
##	109	0	0	0	0
##	110.1	0	0	0	0
##	111.2	0	0	0	0
##	111.8	0	0	0	0
##	113.4	0	0	0	0
##	116	0	0	0	0
##	121.1	0	0	0	0
##	122.8	0	0	0	0
##	123.6	0	0	0	0
##	123.7	0	0	0	0
##	124.4	0	0	0	0
##	124.8	0	0	0	0
##	126.2	0	0	0	0
##	129.5	0	0	0	0
##	131.2	0	0	0	0
##	132.4	0	0	0	0
##	132.9	0	0	0	0
##	133.8	0	0	0	0
##	134.7	0	0	0	0
##	135.7	0	0	0	0
##	137.8	0	0	0	0
##	138.9	0	0	0	0
##	182.1	0	0	0	0
##	svm.pred				
##	actual	1.0112012605607	1.02561765527867	1.03689900420462	1.03987683716318
##	54.42	0	0	0	0
##	54.53	0	0	0	0
##	59.96	0	0	0	0

##	61.24	0	0	0	0
##	61.49	0	0	0	0
##	62.5	0	0	0	0
##	63.19	0	0	0	0
##	63.76	0	0	1	0
##	64.12	0	0	0	0
##	64.55	0	0	0	0
##	65.67	0	0	0	0
##	65.75	0	0	0	0
##	66.2	0	0	0	0
##	66.52	0	0	0	0
##	66.72	0	0	0	0
##	68.51	0	0	0	0
##	70.39	0	0	0	0
##	71.73	0	0	0	0
##	72.49	0	0	0	0
##	72.76	0	0	0	0
##	73.16	0	0	0	0
##	73.34	0	0	0	0
##	73.7	0	0	0	0
##	73.81	0	0	0	0
##	74.2	0	0	0	0
##	74.23	0	0	0	0
##	74.33	0	0	0	0
##	74.65	0	0	0	0
##	74.72	0	0	0	0
##	75.89	0	0	0	0
##	76.1	0	0	0	0
##	76.2	0	0	0	0
##	76.31	0	0	0	0
##	76.39	0	0	0	0
##	76.53	0	0	0	0
##	76.83	0	0	0	0
##	77.61	0	0	0	0
##	78.11	0	0	0	0
##	78.18	0	1	0	0
##	78.27	0	0	0	0
##	78.29	0	0	0	0
##	78.54	0	0	0	0
##	78.85	0	0	0	0
##	79.08	0	0	0	0
##	79.19	0	0	0	0
##	79.42	0	0	0	0
##	79.83	0	0	0	0
##	81.25	0	0	0	0
##	81.72	0	0	0	0
##	81.92	0	0	0	0
##	82.53	0	0	0	0
##	82.57	0	0	0	0
##	82.85	0	0	0	0
##	82.89	0	0	0	0
##	83.51	0	0	0	0
##	85.63	0	0	0	0
##	86.18	0	0	0	0

##	86.34	0	0	0	0
##	86.87	0	0	0	0
##	87.19	0	0	0	0
##	87.21	0	0	0	0
##	87.38	0	0	0	0
##	87.88	0	0	0	0
##	88.05	0	0	0	0
##	88.06	0	0	0	0
##	88.44	0	0	0	0
##	89.75	0	0	0	0
##	89.79	0	0	0	1
##	90.3	1	0	0	0
##	90.96	0	0	0	0
##	91.12	0	0	0	0
##	91.38	0	0	0	0
##	91.43	0	0	0	0
##	92.51	0	0	0	0
##	93.97	0	0	0	0
##	94.15	0	0	0	0
##	94.37	0	0	0	0
##	94.57	0	0	0	0
##	95.5	0	0	0	0
##	96.03	0	0	0	0
##	96.12	0	0	0	0
##	96.73	0	0	0	0
##	97.4	0	0	0	0
##	98.73	0	0	0	0
##	98.78	0	0	0	0
##	102.1	0	0	0	0
##	102.7	0	0	0	0
##	104.1	0	0	0	0
##	105.8	0	0	0	0
##	106.3	0	0	0	0
##	109	0	0	0	0
##	110.1	0	0	0	0
##	111.2	0	0	0	0
##	111.8	0	0	0	0
##	113.4	0	0	0	0
##	116	0	0	0	0
##	121.1	0	0	0	0
##	122.8	0	0	0	0
##	123.6	0	0	0	0
##	123.7	0	0	0	0
##	124.4	0	0	0	0
##	124.8	0	0	0	0
##	126.2	0	0	0	0
##	129.5	0	0	0	0
##	131.2	0	0	0	0
##	132.4	0	0	0	0
##	132.9	0	0	0	0
##	133.8	0	0	0	0
##	134.7	0	0	0	0
##	135.7	0	0	0	0
##	137.8	0	0	0	0

##	138.9	0	0	0	0
##	182.1	0	0	0	0
##	svm.pred				
##	actual	1.04083781963495	1.0454850684949	1.0467180122771	1.0550242693206
##	54.42	0	0	0	0
##	54.53	0	0	0	0
##	59.96	0	0	0	0
##	61.24	0	0	0	0
##	61.49	0	0	0	0
##	62.5	0	0	0	0
##	63.19	0	0	0	0
##	63.76	0	0	0	0
##	64.12	0	0	0	0
##	64.55	0	0	0	0
##	65.67	0	0	0	0
##	65.75	0	0	0	0
##	66.2	0	0	0	0
##	66.52	0	0	0	0
##	66.72	0	1	0	0
##	68.51	0	0	0	0
##	70.39	0	0	0	0
##	71.73	0	0	1	0
##	72.49	0	0	0	0
##	72.76	0	0	0	0
##	73.16	0	0	0	0
##	73.34	0	0	0	0
##	73.7	0	0	0	0
##	73.81	0	0	0	0
##	74.2	0	0	0	0
##	74.23	0	0	0	0
##	74.33	0	0	0	0
##	74.65	0	0	0	0
##	74.72	0	0	0	0
##	75.89	0	0	0	0
##	76.1	0	0	0	0
##	76.2	0	0	0	0
##	76.31	0	0	0	0
##	76.39	0	0	0	0
##	76.53	0	0	0	0
##	76.83	0	0	0	0
##	77.61	0	0	0	0
##	78.11	0	0	0	0
##	78.18	0	0	0	0
##	78.27	0	0	0	0
##	78.29	0	0	0	0
##	78.54	0	0	0	0
##	78.85	0	0	0	0
##	79.08	0	0	0	0
##	79.19	1	0	0	0
##	79.42	0	0	0	0
##	79.83	0	0	0	0
##	81.25	0	0	0	0
##	81.72	0	0	0	0
##	81.92	0	0	0	0

##	82.53	0	0	0	0
##	82.57	0	0	0	0
##	82.85	0	0	0	0
##	82.89	0	0	0	0
##	83.51	0	0	0	0
##	85.63	0	0	0	0
##	86.18	0	0	0	0
##	86.34	0	0	0	0
##	86.87	0	0	0	0
##	87.19	0	0	0	0
##	87.21	0	0	0	0
##	87.38	0	0	0	0
##	87.88	0	0	0	0
##	88.05	0	0	0	0
##	88.06	0	0	0	0
##	88.44	0	0	0	0
##	89.75	0	0	0	0
##	89.79	0	0	0	0
##	90.3	0	0	0	0
##	90.96	0	0	0	0
##	91.12	0	0	0	0
##	91.38	0	0	0	0
##	91.43	0	0	0	0
##	92.51	0	0	0	0
##	93.97	0	0	0	0
##	94.15	0	0	0	0
##	94.37	0	0	0	0
##	94.57	0	0	0	0
##	95.5	0	0	0	1
##	96.03	0	0	0	0
##	96.12	0	0	0	0
##	96.73	0	0	0	0
##	97.4	0	0	0	0
##	98.73	0	0	0	0
##	98.78	0	0	0	0
##	102.1	0	0	0	0
##	102.7	0	0	0	0
##	104.1	0	0	0	0
##	105.8	0	0	0	0
##	106.3	0	0	0	0
##	109	0	0	0	0
##	110.1	0	0	0	0
##	111.2	0	0	0	0
##	111.8	0	0	0	0
##	113.4	0	0	0	0
##	116	0	0	0	0
##	121.1	0	0	0	0
##	122.8	0	0	0	0
##	123.6	0	0	0	0
##	123.7	0	0	0	0
##	124.4	0	0	0	0
##	124.8	0	0	0	0
##	126.2	0	0	0	0
##	129.5	0	0	0	0



##	131.2	0	0	0	0
##	132.4	0	0	0	0
##	132.9	0	0	0	0
##	133.8	0	0	0	0
##	134.7	0	0	0	0
##	135.7	0	0	0	0
##	137.8	0	0	0	0
##	138.9	0	0	0	0
##	182.1	0	0	0	0
##	svm.pred				
##	actual	1.05539895072667	1.05614335687098	1.05929775004211	1.06744277052134
##	54.42	0	0	0	0
##	54.53	0	0	0	0
##	59.96	0	0	1	0
##	61.24	0	0	0	0
##	61.49	0	0	0	0
##	62.5	0	0	0	0
##	63.19	0	0	0	0
##	63.76	0	0	0	0
##	64.12	0	0	0	0
##	64.55	0	0	0	0
##	65.67	0	0	0	0
##	65.75	0	0	0	0
##	66.2	0	0	0	0
##	66.52	0	0	0	0
##	66.72	0	0	0	0
##	68.51	0	0	0	0
##	70.39	0	0	0	0
##	71.73	0	0	0	0
##	72.49	0	0	0	0
##	72.76	0	0	0	0
##	73.16	0	0	0	0
##	73.34	0	0	0	0
##	73.7	0	0	0	0
##	73.81	0	0	0	0
##	74.2	0	0	0	0
##	74.23	0	0	0	0
##	74.33	0	0	0	0
##	74.65	0	0	0	0
##	74.72	0	0	0	0
##	75.89	0	0	0	0
##	76.1	0	0	0	0
##	76.2	0	0	0	0
##	76.31	0	0	0	0
##	76.39	0	0	0	0
##	76.53	0	1	0	0
##	76.83	0	0	0	0
##	77.61	0	0	0	0
##	78.11	0	0	0	0
##	78.18	0	0	0	0
##	78.27	0	0	0	0
##	78.29	0	0	0	0
##	78.54	0	0	0	0
##	78.85	0	0	0	0

##	79.08	0	0	0	0
##	79.19	0	0	0	0
##	79.42	0	0	0	0
##	79.83	0	0	0	0
##	81.25	0	0	0	0
##	81.72	0	0	0	0
##	81.92	0	0	0	1
##	82.53	0	0	0	0
##	82.57	0	0	0	0
##	82.85	1	0	0	0
##	82.89	0	0	0	0
##	83.51	0	0	0	0
##	85.63	0	0	0	0
##	86.18	0	0	0	0
##	86.34	0	0	0	0
##	86.87	0	0	0	0
##	87.19	0	0	0	0
##	87.21	0	0	0	0
##	87.38	0	0	0	0
##	87.88	0	0	0	0
##	88.05	0	0	0	0
##	88.06	0	0	0	0
##	88.44	0	0	0	0
##	89.75	0	0	0	0
##	89.79	0	0	0	0
##	90.3	0	0	0	0
##	90.96	0	0	0	0
##	91.12	0	0	0	0
##	91.38	0	0	0	0
##	91.43	0	0	0	0
##	92.51	0	0	0	0
##	93.97	0	0	0	0
##	94.15	0	0	0	0
##	94.37	0	0	0	0
##	94.57	0	0	0	0
##	95.5	0	0	0	0
##	96.03	0	0	0	0
##	96.12	0	0	0	0
##	96.73	0	0	0	0
##	97.4	0	0	0	0
##	98.73	0	0	0	0
##	98.78	0	0	0	0
##	102.1	0	0	0	0
##	102.7	0	0	0	0
##	104.1	0	0	0	0
##	105.8	0	0	0	0
##	106.3	0	0	0	0
##	109	0	0	0	0
##	110.1	0	0	0	0
##	111.2	0	0	0	0
##	111.8	0	0	0	0
##	113.4	0	0	0	0
##	116	0	0	0	0
##	121.1	0	0	0	0

##	122.8	0	0	0	0
##	123.6	0	0	0	0
##	123.7	0	0	0	0
##	124.4	0	0	0	0
##	124.8	0	0	0	0
##	126.2	0	0	0	0
##	129.5	0	0	0	0
##	131.2	0	0	0	0
##	132.4	0	0	0	0
##	132.9	0	0	0	0
##	133.8	0	0	0	0
##	134.7	0	0	0	0
##	135.7	0	0	0	0
##	137.8	0	0	0	0
##	138.9	0	0	0	0
##	182.1	0	0	0	0
##	svm.pred				
##	actual	1.07267928202877	1.07454589391302	1.0754266102824	1.09727104842524
##	54.42	0	0	0	0
##	54.53	1	0	0	0
##	59.96	0	0	0	0
##	61.24	0	0	0	0
##	61.49	0	0	0	0
##	62.5	0	0	0	0
##	63.19	0	0	0	0
##	63.76	0	0	0	0
##	64.12	0	0	0	0
##	64.55	0	0	0	0
##	65.67	0	0	0	0
##	65.75	0	0	0	0
##	66.2	0	0	0	0
##	66.52	0	0	0	0
##	66.72	0	0	0	0
##	68.51	0	0	0	0
##	70.39	0	0	0	0
##	71.73	0	0	0	0
##	72.49	0	0	0	0
##	72.76	0	0	0	0
##	73.16	0	0	0	0
##	73.34	0	0	0	0
##	73.7	0	0	0	0
##	73.81	0	0	1	0
##	74.2	0	0	0	0
##	74.23	0	0	0	0
##	74.33	0	0	0	0
##	74.65	0	0	0	0
##	74.72	0	0	0	0
##	75.89	0	1	0	0
##	76.1	0	0	0	0
##	76.2	0	0	0	0
##	76.31	0	0	0	0
##	76.39	0	0	0	0
##	76.53	0	0	0	0
##	76.83	0	0	0	0

##	77.61	0	0	0	0
##	78.11	0	0	0	0
##	78.18	0	0	0	0
##	78.27	0	0	0	0
##	78.29	0	0	0	0
##	78.54	0	0	0	0
##	78.85	0	0	0	0
##	79.08	0	0	0	0
##	79.19	0	0	0	0
##	79.42	0	0	0	0
##	79.83	0	0	0	0
##	81.25	0	0	0	0
##	81.72	0	0	0	0
##	81.92	0	0	0	0
##	82.53	0	0	0	0
##	82.57	0	0	0	0
##	82.85	0	0	0	0
##	82.89	0	0	0	0
##	83.51	0	0	0	0
##	85.63	0	0	0	0
##	86.18	0	0	0	0
##	86.34	0	0	0	0
##	86.87	0	0	0	0
##	87.19	0	0	0	1
##	87.21	0	0	0	0
##	87.38	0	0	0	0
##	87.88	0	0	0	0
##	88.05	0	0	0	0
##	88.06	0	0	0	0
##	88.44	0	0	0	0
##	89.75	0	0	0	0
##	89.79	0	0	0	0
##	90.3	0	0	0	0
##	90.96	0	0	0	0
##	91.12	0	0	0	0
##	91.38	0	0	0	0
##	91.43	0	0	0	0
##	92.51	0	0	0	0
##	93.97	0	0	0	0
##	94.15	0	0	0	0
##	94.37	0	0	0	0
##	94.57	0	0	0	0
##	95.5	0	0	0	0
##	96.03	0	0	0	0
##	96.12	0	0	0	0
##	96.73	0	0	0	0
##	97.4	0	0	0	0
##	98.73	0	0	0	0
##	98.78	0	0	0	0
##	102.1	0	0	0	0
##	102.7	0	0	0	0
##	104.1	0	0	0	0
##	105.8	0	0	0	0
##	106.3	0	0	0	0

##	109	0	0	0	0
##	110.1	0	0	0	0
##	111.2	0	0	0	0
##	111.8	0	0	0	0
##	113.4	0	0	0	0
##	116	0	0	0	0
##	121.1	0	0	0	0
##	122.8	0	0	0	0
##	123.6	0	0	0	0
##	123.7	0	0	0	0
##	124.4	0	0	0	0
##	124.8	0	0	0	0
##	126.2	0	0	0	0
##	129.5	0	0	0	0
##	131.2	0	0	0	0
##	132.4	0	0	0	0
##	132.9	0	0	0	0
##	133.8	0	0	0	0
##	134.7	0	0	0	0
##	135.7	0	0	0	0
##	137.8	0	0	0	0
##	138.9	0	0	0	0
##	182.1	0	0	0	0
##	svm.pred				
##	actual	1.10192260675617	1.10987716536216	1.1173556599889	1.12521483933072
##	54.42	0	0	1	0
##	54.53	0	0	0	0
##	59.96	0	0	0	0
##	61.24	0	0	0	0
##	61.49	0	0	0	0
##	62.5	0	0	0	0
##	63.19	0	0	0	0
##	63.76	0	0	0	0
##	64.12	0	0	0	0
##	64.55	0	0	0	0
##	65.67	0	0	0	0
##	65.75	0	0	0	0
##	66.2	0	0	0	0
##	66.52	0	0	0	0
##	66.72	0	0	0	0
##	68.51	0	0	0	0
##	70.39	0	0	0	0
##	71.73	0	0	0	0
##	72.49	0	0	0	0
##	72.76	0	0	0	0
##	73.16	0	1	0	0
##	73.34	0	0	0	0
##	73.7	0	0	0	0
##	73.81	0	0	0	0
##	74.2	0	0	0	0
##	74.23	0	0	0	0
##	74.33	0	0	0	0
##	74.65	0	0	0	0
##	74.72	0	0	0	0

##	75.89	0	0	0	0
##	76.1	0	0	0	0
##	76.2	0	0	0	0
##	76.31	0	0	0	0
##	76.39	0	0	0	0
##	76.53	0	0	0	0
##	76.83	0	0	0	0
##	77.61	1	0	0	0
##	78.11	0	0	0	0
##	78.18	0	0	0	0
##	78.27	0	0	0	0
##	78.29	0	0	0	0
##	78.54	0	0	0	0
##	78.85	0	0	0	0
##	79.08	0	0	0	0
##	79.19	0	0	0	0
##	79.42	0	0	0	0
##	79.83	0	0	0	0
##	81.25	0	0	0	0
##	81.72	0	0	0	0
##	81.92	0	0	0	0
##	82.53	0	0	0	0
##	82.57	0	0	0	0
##	82.85	0	0	0	0
##	82.89	0	0	0	0
##	83.51	0	0	0	0
##	85.63	0	0	0	0
##	86.18	0	0	0	0
##	86.34	0	0	0	0
##	86.87	0	0	0	1
##	87.19	0	0	0	0
##	87.21	0	0	0	0
##	87.38	0	0	0	0
##	87.88	0	0	0	0
##	88.05	0	0	0	0
##	88.06	0	0	0	0
##	88.44	0	0	0	0
##	89.75	0	0	0	0
##	89.79	0	0	0	0
##	90.3	0	0	0	0
##	90.96	0	0	0	0
##	91.12	0	0	0	0
##	91.38	0	0	0	0
##	91.43	0	0	0	0
##	92.51	0	0	0	0
##	93.97	0	0	0	0
##	94.15	0	0	0	0
##	94.37	0	0	0	0
##	94.57	0	0	0	0
##	95.5	0	0	0	0
##	96.03	0	0	0	0
##	96.12	0	0	0	0
##	96.73	0	0	0	0
##	97.4	0	0	0	0

##	98.73	0	0	0	0
##	98.78	0	0	0	0
##	102.1	0	0	0	0
##	102.7	0	0	0	0
##	104.1	0	0	0	0
##	105.8	0	0	0	0
##	106.3	0	0	0	0
##	109	0	0	0	0
##	110.1	0	0	0	0
##	111.2	0	0	0	0
##	111.8	0	0	0	0
##	113.4	0	0	0	0
##	116	0	0	0	0
##	121.1	0	0	0	0
##	122.8	0	0	0	0
##	123.6	0	0	0	0
##	123.7	0	0	0	0
##	124.4	0	0	0	0
##	124.8	0	0	0	0
##	126.2	0	0	0	0
##	129.5	0	0	0	0
##	131.2	0	0	0	0
##	132.4	0	0	0	0
##	132.9	0	0	0	0
##	133.8	0	0	0	0
##	134.7	0	0	0	0
##	135.7	0	0	0	0
##	137.8	0	0	0	0
##	138.9	0	0	0	0
##	182.1	0	0	0	0
##	svm.pred				
##	actual	1.12667274743548	1.13268470821282	1.14011720455029	1.14788667669919
##	54.42	0	0	0	0
##	54.53	0	0	0	0
##	59.96	0	0	0	0
##	61.24	0	1	0	0
##	61.49	0	0	0	0
##	62.5	0	0	0	0
##	63.19	0	0	0	0
##	63.76	0	0	0	0
##	64.12	0	0	0	0
##	64.55	0	0	0	1
##	65.67	0	0	0	0
##	65.75	0	0	0	0
##	66.2	0	0	0	0
##	66.52	0	0	0	0
##	66.72	0	0	0	0
##	68.51	0	0	0	0
##	70.39	0	0	0	0
##	71.73	0	0	0	0
##	72.49	0	0	0	0
##	72.76	0	0	0	0
##	73.16	0	0	0	0
##	73.34	0	0	0	0

##	73.7	0	0	0	0
##	73.81	0	0	0	0
##	74.2	0	0	0	0
##	74.23	0	0	0	0
##	74.33	0	0	0	0
##	74.65	0	0	0	0
##	74.72	0	0	0	0
##	75.89	0	0	0	0
##	76.1	0	0	0	0
##	76.2	0	0	0	0
##	76.31	0	0	0	0
##	76.39	0	0	0	0
##	76.53	0	0	0	0
##	76.83	0	0	0	0
##	77.61	0	0	0	0
##	78.11	0	0	0	0
##	78.18	0	0	0	0
##	78.27	0	0	0	0
##	78.29	0	0	0	0
##	78.54	0	0	0	0
##	78.85	0	0	0	0
##	79.08	0	0	0	0
##	79.19	0	0	0	0
##	79.42	0	0	1	0
##	79.83	0	0	0	0
##	81.25	0	0	0	0
##	81.72	0	0	0	0
##	81.92	0	0	0	0
##	82.53	0	0	0	0
##	82.57	0	0	0	0
##	82.85	0	0	0	0
##	82.89	0	0	0	0
##	83.51	0	0	0	0
##	85.63	0	0	0	0
##	86.18	0	0	0	0
##	86.34	0	0	0	0
##	86.87	0	0	0	0
##	87.19	0	0	0	0
##	87.21	0	0	0	0
##	87.38	0	0	0	0
##	87.88	0	0	0	0
##	88.05	0	0	0	0
##	88.06	0	0	0	0
##	88.44	0	0	0	0
##	89.75	0	0	0	0
##	89.79	0	0	0	0
##	90.3	0	0	0	0
##	90.96	0	0	0	0
##	91.12	0	0	0	0
##	91.38	0	0	0	0
##	91.43	0	0	0	0
##	92.51	0	0	0	0
##	93.97	0	0	0	0
##	94.15	0	0	0	0



##	94.37	0	0	0	0
##	94.57	0	0	0	0
##	95.5	0	0	0	0
##	96.03	0	0	0	0
##	96.12	0	0	0	0
##	96.73	0	0	0	0
##	97.4	0	0	0	0
##	98.73	0	0	0	0
##	98.78	0	0	0	0
##	102.1	0	0	0	0
##	102.7	0	0	0	0
##	104.1	0	0	0	0
##	105.8	0	0	0	0
##	106.3	1	0	0	0
##	109	0	0	0	0
##	110.1	0	0	0	0
##	111.2	0	0	0	0
##	111.8	0	0	0	0
##	113.4	0	0	0	0
##	116	0	0	0	0
##	121.1	0	0	0	0
##	122.8	0	0	0	0
##	123.6	0	0	0	0
##	123.7	0	0	0	0
##	124.4	0	0	0	0
##	124.8	0	0	0	0
##	126.2	0	0	0	0
##	129.5	0	0	0	0
##	131.2	0	0	0	0
##	132.4	0	0	0	0
##	132.9	0	0	0	0
##	133.8	0	0	0	0
##	134.7	0	0	0	0
##	135.7	0	0	0	0
##	137.8	0	0	0	0
##	138.9	0	0	0	0
##	182.1	0	0	0	0
##	svm.pred				
##	actual	1.14829800062511	1.14839564853221	1.15282390270994	1.15461742702949
##	54.42	0	0	0	0
##	54.53	0	0	0	0
##	59.96	0	0	0	0
##	61.24	0	0	0	0
##	61.49	0	0	0	0
##	62.5	0	0	0	0
##	63.19	0	0	0	0
##	63.76	0	0	0	0
##	64.12	0	0	0	0
##	64.55	0	0	0	0
##	65.67	0	0	0	0
##	65.75	0	0	0	0
##	66.2	0	0	0	0
##	66.52	0	0	0	0
##	66.72	0	0	0	0

##	68.51	0	0	0	0
##	70.39	0	0	0	0
##	71.73	0	0	0	0
##	72.49	0	0	1	0
##	72.76	0	0	0	0
##	73.16	0	0	0	0
##	73.34	0	0	0	0
##	73.7	0	0	0	0
##	73.81	0	0	0	0
##	74.2	0	0	0	0
##	74.23	0	0	0	0
##	74.33	0	0	0	0
##	74.65	0	0	0	0
##	74.72	0	0	0	0
##	75.89	0	0	0	0
##	76.1	0	0	0	0
##	76.2	0	0	0	0
##	76.31	0	0	0	0
##	76.39	0	0	0	0
##	76.53	0	0	0	0
##	76.83	0	0	0	0
##	77.61	0	0	0	0
##	78.11	0	0	0	0
##	78.18	0	0	0	0
##	78.27	0	0	0	0
##	78.29	0	0	0	0
##	78.54	1	0	0	0
##	78.85	0	0	0	0
##	79.08	0	0	0	0
##	79.19	0	0	0	0
##	79.42	0	0	0	0
##	79.83	0	0	0	0
##	81.25	0	0	0	0
##	81.72	0	0	0	0
##	81.92	0	0	0	0
##	82.53	0	0	0	0
##	82.57	0	0	0	0
##	82.85	0	0	0	0
##	82.89	0	0	0	0
##	83.51	0	0	0	0
##	85.63	0	0	0	0
##	86.18	0	0	0	0
##	86.34	0	0	0	1
##	86.87	0	0	0	0
##	87.19	0	0	0	0
##	87.21	0	0	0	0
##	87.38	0	0	0	0
##	87.88	0	0	0	0
##	88.05	0	0	0	0
##	88.06	0	0	0	0
##	88.44	0	0	0	0
##	89.75	0	0	0	0
##	89.79	0	0	0	0
##	90.3	0	0	0	0

##	90.96	0	0	0	0
##	91.12	0	0	0	0
##	91.38	0	0	0	0
##	91.43	0	0	0	0
##	92.51	0	0	0	0
##	93.97	0	0	0	0
##	94.15	0	0	0	0
##	94.37	0	0	0	0
##	94.57	0	0	0	0
##	95.5	0	0	0	0
##	96.03	0	0	0	0
##	96.12	0	0	0	0
##	96.73	0	0	0	0
##	97.4	0	0	0	0
##	98.73	0	1	0	0
##	98.78	0	0	0	0
##	102.1	0	0	0	0
##	102.7	0	0	0	0
##	104.1	0	0	0	0
##	105.8	0	0	0	0
##	106.3	0	0	0	0
##	109	0	0	0	0
##	110.1	0	0	0	0
##	111.2	0	0	0	0
##	111.8	0	0	0	0
##	113.4	0	0	0	0
##	116	0	0	0	0
##	121.1	0	0	0	0
##	122.8	0	0	0	0
##	123.6	0	0	0	0
##	123.7	0	0	0	0
##	124.4	0	0	0	0
##	124.8	0	0	0	0
##	126.2	0	0	0	0
##	129.5	0	0	0	0
##	131.2	0	0	0	0
##	132.4	0	0	0	0
##	132.9	0	0	0	0
##	133.8	0	0	0	0
##	134.7	0	0	0	0
##	135.7	0	0	0	0
##	137.8	0	0	0	0
##	138.9	0	0	0	0
##	182.1	0	0	0	0
##	svm.pred				
##	actual	1.15556279629757	1.15656894346615	1.16829218088804	1.1700196830037
##	54.42	0	0	0	0
##	54.53	0	0	0	0
##	59.96	0	0	0	0
##	61.24	0	0	0	0
##	61.49	0	0	0	0
##	62.5	0	0	0	0
##	63.19	0	0	0	0
##	63.76	0	0	0	0

##	64.12	0	0	0	0
##	64.55	0	0	0	0
##	65.67	0	0	0	0
##	65.75	0	0	0	0
##	66.2	0	0	0	0
##	66.52	0	0	0	0
##	66.72	0	0	0	0
##	68.51	0	0	0	0
##	70.39	0	0	0	0
##	71.73	0	0	0	0
##	72.49	0	0	0	0
##	72.76	0	0	0	0
##	73.16	0	0	0	0
##	73.34	0	0	0	0
##	73.7	0	0	0	0
##	73.81	0	0	0	0
##	74.2	0	0	0	0
##	74.23	0	0	0	0
##	74.33	0	0	0	0
##	74.65	0	0	0	0
##	74.72	0	0	0	0
##	75.89	0	0	0	0
##	76.1	0	0	0	1
##	76.2	0	0	0	0
##	76.31	0	0	0	0
##	76.39	0	0	0	0
##	76.53	0	0	0	0
##	76.83	0	0	0	0
##	77.61	0	0	0	0
##	78.11	0	0	0	0
##	78.18	0	0	0	0
##	78.27	0	0	0	0
##	78.29	0	0	0	0
##	78.54	0	0	0	0
##	78.85	0	0	0	0
##	79.08	0	0	0	0
##	79.19	0	0	0	0
##	79.42	0	0	0	0
##	79.83	0	0	0	0
##	81.25	0	0	0	0
##	81.72	0	1	0	0
##	81.92	0	0	0	0
##	82.53	0	0	0	0
##	82.57	0	0	0	0
##	82.85	0	0	0	0
##	82.89	0	0	0	0
##	83.51	0	0	0	0
##	85.63	0	0	0	0
##	86.18	0	0	1	0
##	86.34	0	0	0	0
##	86.87	0	0	0	0
##	87.19	0	0	0	0
##	87.21	0	0	0	0
##	87.38	0	0	0	0

##	87.88	0	0	0	0
##	88.05	0	0	0	0
##	88.06	0	0	0	0
##	88.44	0	0	0	0
##	89.75	0	0	0	0
##	89.79	0	0	0	0
##	90.3	0	0	0	0
##	90.96	0	0	0	0
##	91.12	0	0	0	0
##	91.38	0	0	0	0
##	91.43	0	0	0	0
##	92.51	0	0	0	0
##	93.97	0	0	0	0
##	94.15	0	0	0	0
##	94.37	0	0	0	0
##	94.57	1	0	0	0
##	95.5	0	0	0	0
##	96.03	0	0	0	0
##	96.12	0	0	0	0
##	96.73	0	0	0	0
##	97.4	0	0	0	0
##	98.73	0	0	0	0
##	98.78	0	0	0	0
##	102.1	0	0	0	0
##	102.7	0	0	0	0
##	104.1	0	0	0	0
##	105.8	0	0	0	0
##	106.3	0	0	0	0
##	109	0	0	0	0
##	110.1	0	0	0	0
##	111.2	0	0	0	0
##	111.8	0	0	0	0
##	113.4	0	0	0	0
##	116	0	0	0	0
##	121.1	0	0	0	0
##	122.8	0	0	0	0
##	123.6	0	0	0	0
##	123.7	0	0	0	0
##	124.4	0	0	0	0
##	124.8	0	0	0	0
##	126.2	0	0	0	0
##	129.5	0	0	0	0
##	131.2	0	0	0	0
##	132.4	0	0	0	0
##	132.9	0	0	0	0
##	133.8	0	0	0	0
##	134.7	0	0	0	0
##	135.7	0	0	0	0
##	137.8	0	0	0	0
##	138.9	0	0	0	0
##	182.1	0	0	0	0
##	svm.pred				
##	actual	1.17553861452027	1.19181350685173	1.19366369642029	1.20038296367908
##	54.42	0	0	0	0

##	54.53	0	0	0	0
##	59.96	0	0	0	0
##	61.24	0	0	0	0
##	61.49	0	0	0	0
##	62.5	0	0	0	0
##	63.19	0	0	0	0
##	63.76	0	0	0	0
##	64.12	0	0	0	0
##	64.55	0	0	0	0
##	65.67	0	0	0	0
##	65.75	0	0	0	0
##	66.2	0	0	0	0
##	66.52	0	0	0	0
##	66.72	0	0	0	0
##	68.51	0	0	0	0
##	70.39	0	0	0	0
##	71.73	0	0	0	0
##	72.49	0	0	0	0
##	72.76	0	0	0	0
##	73.16	0	0	0	0
##	73.34	0	0	0	0
##	73.7	0	0	0	0
##	73.81	0	0	0	0
##	74.2	0	0	0	0
##	74.23	0	0	0	0
##	74.33	0	0	0	0
##	74.65	0	0	0	0
##	74.72	0	0	0	0
##	75.89	0	0	0	0
##	76.1	0	0	0	0
##	76.2	0	1	0	0
##	76.31	0	0	0	0
##	76.39	0	0	0	0
##	76.53	0	0	0	0
##	76.83	0	0	0	0
##	77.61	0	0	0	0
##	78.11	0	0	0	0
##	78.18	0	0	0	0
##	78.27	0	0	0	0
##	78.29	0	0	0	0
##	78.54	0	0	0	0
##	78.85	0	0	0	0
##	79.08	0	0	0	0
##	79.19	0	0	0	0
##	79.42	0	0	0	0
##	79.83	0	0	0	0
##	81.25	0	0	0	0
##	81.72	0	0	0	0
##	81.92	0	0	0	0
##	82.53	0	0	0	0
##	82.57	0	0	0	0
##	82.85	0	0	0	0
##	82.89	0	0	0	0
##	83.51	0	0	0	0

##	85.63	0	0	0	0
##	86.18	0	0	0	0
##	86.34	0	0	0	0
##	86.87	0	0	0	0
##	87.19	0	0	0	0
##	87.21	0	0	0	0
##	87.38	0	0	0	0
##	87.88	0	0	0	0
##	88.05	0	0	0	0
##	88.06	0	0	0	0
##	88.44	0	0	0	0
##	89.75	0	0	0	0
##	89.79	0	0	0	0
##	90.3	0	0	0	0
##	90.96	0	0	0	0
##	91.12	0	0	0	0
##	91.38	0	0	0	0
##	91.43	0	0	0	0
##	92.51	0	0	1	0
##	93.97	0	0	0	0
##	94.15	0	0	0	1
##	94.37	0	0	0	0
##	94.57	0	0	0	0
##	95.5	0	0	0	0
##	96.03	0	0	0	0
##	96.12	1	0	0	0
##	96.73	0	0	0	0
##	97.4	0	0	0	0
##	98.73	0	0	0	0
##	98.78	0	0	0	0
##	102.1	0	0	0	0
##	102.7	0	0	0	0
##	104.1	0	0	0	0
##	105.8	0	0	0	0
##	106.3	0	0	0	0
##	109	0	0	0	0
##	110.1	0	0	0	0
##	111.2	0	0	0	0
##	111.8	0	0	0	0
##	113.4	0	0	0	0
##	116	0	0	0	0
##	121.1	0	0	0	0
##	122.8	0	0	0	0
##	123.6	0	0	0	0
##	123.7	0	0	0	0
##	124.4	0	0	0	0
##	124.8	0	0	0	0
##	126.2	0	0	0	0
##	129.5	0	0	0	0
##	131.2	0	0	0	0
##	132.4	0	0	0	0
##	132.9	0	0	0	0
##	133.8	0	0	0	0
##	134.7	0	0	0	0

##	135.7	0	0	0	0
##	137.8	0	0	0	0
##	138.9	0	0	0	0
##	182.1	0	0	0	0
##	svm.pred				
##	actual	1.20410468945393	1.26251274653249	1.30186993601586	1.32602490804893
##	54.42	0	0	0	0
##	54.53	0	0	0	0
##	59.96	0	0	0	0
##	61.24	0	0	0	0
##	61.49	0	0	0	0
##	62.5	0	0	0	0
##	63.19	0	0	0	0
##	63.76	0	0	0	0
##	64.12	1	0	0	0
##	64.55	0	0	0	0
##	65.67	0	0	0	0
##	65.75	0	0	0	0
##	66.2	0	0	0	0
##	66.52	0	0	0	0
##	66.72	0	0	0	0
##	68.51	0	0	0	0
##	70.39	0	0	0	0
##	71.73	0	0	0	0
##	72.49	0	0	0	0
##	72.76	0	0	0	0
##	73.16	0	0	0	0
##	73.34	0	0	0	0
##	73.7	0	0	0	0
##	73.81	0	0	0	0
##	74.2	0	0	0	0
##	74.23	0	0	0	0
##	74.33	0	0	0	0
##	74.65	0	0	0	0
##	74.72	0	0	0	0
##	75.89	0	0	0	0
##	76.1	0	0	0	0
##	76.2	0	0	0	0
##	76.31	0	0	0	0
##	76.39	0	0	0	0
##	76.53	0	0	0	0
##	76.83	0	0	0	0
##	77.61	0	0	0	0
##	78.11	0	0	0	0
##	78.18	0	0	0	0
##	78.27	0	0	0	0
##	78.29	0	0	0	0
##	78.54	0	0	0	0
##	78.85	0	0	0	0
##	79.08	0	0	0	0
##	79.19	0	0	0	0
##	79.42	0	0	0	0
##	79.83	0	0	0	0
##	81.25	0	0	0	0



##	81.72	0	0	0	0
##	81.92	0	0	0	0
##	82.53	0	0	0	0
##	82.57	0	0	0	0
##	82.85	0	0	0	0
##	82.89	0	0	0	0
##	83.51	0	0	1	0
##	85.63	0	0	0	0
##	86.18	0	0	0	0
##	86.34	0	0	0	0
##	86.87	0	0	0	0
##	87.19	0	0	0	0
##	87.21	0	0	0	0
##	87.38	0	0	0	0
##	87.88	0	0	0	0
##	88.05	0	0	0	0
##	88.06	0	0	0	0
##	88.44	0	0	0	0
##	89.75	0	0	0	0
##	89.79	0	0	0	0
##	90.3	0	0	0	0
##	90.96	0	0	0	0
##	91.12	0	0	0	0
##	91.38	0	1	0	0
##	91.43	0	0	0	1
##	92.51	0	0	0	0
##	93.97	0	0	0	0
##	94.15	0	0	0	0
##	94.37	0	0	0	0
##	94.57	0	0	0	0
##	95.5	0	0	0	0
##	96.03	0	0	0	0
##	96.12	0	0	0	0
##	96.73	0	0	0	0
##	97.4	0	0	0	0
##	98.73	0	0	0	0
##	98.78	0	0	0	0
##	102.1	0	0	0	0
##	102.7	0	0	0	0
##	104.1	0	0	0	0
##	105.8	0	0	0	0
##	106.3	0	0	0	0
##	109	0	0	0	0
##	110.1	0	0	0	0
##	111.2	0	0	0	0
##	111.8	0	0	0	0
##	113.4	0	0	0	0
##	116	0	0	0	0
##	121.1	0	0	0	0
##	122.8	0	0	0	0
##	123.6	0	0	0	0
##	123.7	0	0	0	0
##	124.4	0	0	0	0
##	124.8	0	0	0	0

##	126.2	0	0	0	0
##	129.5	0	0	0	0
##	131.2	0	0	0	0
##	132.4	0	0	0	0
##	132.9	0	0	0	0
##	133.8	0	0	0	0
##	134.7	0	0	0	0
##	135.7	0	0	0	0
##	137.8	0	0	0	0
##	138.9	0	0	0	0
##	182.1	0	0	0	0
##	svm.pred				
##	actual	1.3656940667366	1.37433677502043	1.47470222110016	1.49823756854706
##	54.42	0	0	0	0
##	54.53	0	0	0	0
##	59.96	0	0	0	0
##	61.24	0	0	0	0
##	61.49	0	0	0	0
##	62.5	0	0	0	0
##	63.19	0	0	0	0
##	63.76	0	0	0	0
##	64.12	0	0	0	0
##	64.55	0	0	0	0
##	65.67	0	0	0	0
##	65.75	0	0	0	0
##	66.2	0	0	0	0
##	66.52	0	0	0	0
##	66.72	0	0	0	0
##	68.51	0	0	0	0
##	70.39	0	0	0	0
##	71.73	0	0	0	0
##	72.49	0	0	0	0
##	72.76	0	0	0	0
##	73.16	0	0	0	0
##	73.34	0	0	0	0
##	73.7	0	0	0	0
##	73.81	0	0	0	0
##	74.2	0	0	0	0
##	74.23	0	0	0	0
##	74.33	0	0	0	0
##	74.65	0	0	0	0
##	74.72	0	0	0	0
##	75.89	0	0	0	0
##	76.1	0	0	0	0
##	76.2	0	0	0	0
##	76.31	0	0	0	0
##	76.39	0	0	0	0
##	76.53	0	0	0	0
##	76.83	0	0	0	0
##	77.61	0	0	0	0
##	78.11	0	0	0	0
##	78.18	0	0	0	0
##	78.27	0	0	0	0
##	78.29	0	0	0	0

##	78.54	0	0	0	0
##	78.85	0	0	0	0
##	79.08	0	0	0	0
##	79.19	0	0	0	0
##	79.42	0	0	0	0
##	79.83	0	0	0	0
##	81.25	0	0	0	0
##	81.72	0	0	0	0
##	81.92	0	0	0	0
##	82.53	0	0	0	0
##	82.57	0	0	0	0
##	82.85	0	0	0	0
##	82.89	0	0	0	0
##	83.51	0	0	0	0
##	85.63	0	0	0	0
##	86.18	0	0	0	0
##	86.34	0	0	0	0
##	86.87	0	0	0	0
##	87.19	0	0	0	0
##	87.21	0	0	0	0
##	87.38	0	0	0	0
##	87.88	0	0	0	0
##	88.05	0	0	0	0
##	88.06	0	0	0	0
##	88.44	0	0	0	0
##	89.75	0	0	0	0
##	89.79	0	0	0	0
##	90.3	0	0	0	0
##	90.96	0	0	0	1
##	91.12	0	0	0	0
##	91.38	0	0	0	0
##	91.43	0	0	0	0
##	92.51	0	0	0	0
##	93.97	0	0	1	0
##	94.15	0	0	0	0
##	94.37	0	0	0	0
##	94.57	0	0	0	0
##	95.5	0	0	0	0
##	96.03	1	0	0	0
##	96.12	0	0	0	0
##	96.73	0	0	0	0
##	97.4	0	0	0	0
##	98.73	0	0	0	0
##	98.78	0	1	0	0
##	102.1	0	0	0	0
##	102.7	0	0	0	0
##	104.1	0	0	0	0
##	105.8	0	0	0	0
##	106.3	0	0	0	0
##	109	0	0	0	0
##	110.1	0	0	0	0
##	111.2	0	0	0	0
##	111.8	0	0	0	0
##	113.4	0	0	0	0

##	116	0	0	0	0
##	121.1	0	0	0	0
##	122.8	0	0	0	0
##	123.6	0	0	0	0
##	123.7	0	0	0	0
##	124.4	0	0	0	0
##	124.8	0	0	0	0
##	126.2	0	0	0	0
##	129.5	0	0	0	0
##	131.2	0	0	0	0
##	132.4	0	0	0	0
##	132.9	0	0	0	0
##	133.8	0	0	0	0
##	134.7	0	0	0	0
##	135.7	0	0	0	0
##	137.8	0	0	0	0
##	138.9	0	0	0	0
##	182.1	0	0	0	0
##	svm.pred				
##	actual	1.53960568007185	1.60515021448866	1.66007323548568	1.69895871120563
##	54.42	0	0	0	0
##	54.53	0	0	0	0
##	59.96	0	0	0	0
##	61.24	0	0	0	0
##	61.49	0	0	0	0
##	62.5	0	0	0	0
##	63.19	0	0	0	0
##	63.76	0	0	0	0
##	64.12	0	0	0	0
##	64.55	0	0	0	0
##	65.67	0	0	0	0
##	65.75	0	0	0	0
##	66.2	0	0	0	0
##	66.52	0	0	0	0
##	66.72	0	0	0	0
##	68.51	0	0	0	0
##	70.39	0	0	0	0
##	71.73	0	0	0	0
##	72.49	0	0	0	0
##	72.76	0	0	0	0
##	73.16	0	0	0	0
##	73.34	0	0	0	0
##	73.7	0	0	0	0
##	73.81	0	0	0	0
##	74.2	0	0	0	0
##	74.23	0	0	0	0
##	74.33	0	0	0	0
##	74.65	0	0	0	0
##	74.72	0	0	0	0
##	75.89	0	0	0	0
##	76.1	0	0	0	0
##	76.2	0	0	0	0
##	76.31	0	0	0	0
##	76.39	0	0	0	0

##	76.53	0	0	0	0
##	76.83	0	0	0	0
##	77.61	0	0	0	0
##	78.11	0	0	0	0
##	78.18	0	0	0	0
##	78.27	0	0	0	0
##	78.29	0	0	0	0
##	78.54	0	0	0	0
##	78.85	0	0	0	0
##	79.08	0	0	0	0
##	79.19	0	0	0	0
##	79.42	0	0	0	0
##	79.83	0	0	0	0
##	81.25	0	0	0	0
##	81.72	0	0	0	0
##	81.92	0	0	0	0
##	82.53	0	0	0	0
##	82.57	0	0	0	0
##	82.85	0	0	0	0
##	82.89	0	0	0	0
##	83.51	0	0	0	0
##	85.63	0	0	0	0
##	86.18	0	0	0	0
##	86.34	0	0	0	0
##	86.87	0	0	0	0
##	87.19	0	0	0	0
##	87.21	0	0	0	0
##	87.38	0	0	0	0
##	87.88	0	0	0	0
##	88.05	1	0	0	0
##	88.06	0	0	0	0
##	88.44	0	0	0	0
##	89.75	0	0	0	0
##	89.79	0	0	0	0
##	90.3	0	0	0	0
##	90.96	0	0	0	0
##	91.12	0	0	0	0
##	91.38	0	0	0	0
##	91.43	0	0	0	0
##	92.51	0	0	0	0
##	93.97	0	0	0	0
##	94.15	0	0	0	0
##	94.37	0	0	0	1
##	94.57	0	0	0	0
##	95.5	0	0	0	0
##	96.03	0	0	0	0
##	96.12	0	0	0	0
##	96.73	0	0	0	0
##	97.4	0	0	0	0
##	98.73	0	0	0	0
##	98.78	0	0	0	0
##	102.1	0	0	0	0
##	102.7	0	1	0	0
##	104.1	0	0	0	0

##	105.8	0	0	1	0
##	106.3	0	0	0	0
##	109	0	0	0	0
##	110.1	0	0	0	0
##	111.2	0	0	0	0
##	111.8	0	0	0	0
##	113.4	0	0	0	0
##	116	0	0	0	0
##	121.1	0	0	0	0
##	122.8	0	0	0	0
##	123.6	0	0	0	0
##	123.7	0	0	0	0
##	124.4	0	0	0	0
##	124.8	0	0	0	0
##	126.2	0	0	0	0
##	129.5	0	0	0	0
##	131.2	0	0	0	0
##	132.4	0	0	0	0
##	132.9	0	0	0	0
##	133.8	0	0	0	0
##	134.7	0	0	0	0
##	135.7	0	0	0	0
##	137.8	0	0	0	0
##	138.9	0	0	0	0
##	182.1	0	0	0	0
##	svm.pred				
##	actual	1.7225299958711	1.80402454227692	1.80759608948921	1.81480521961661
##	54.42	0	0	0	0
##	54.53	0	0	0	0
##	59.96	0	0	0	0
##	61.24	0	0	0	0
##	61.49	0	0	0	0
##	62.5	0	0	0	0
##	63.19	0	0	0	0
##	63.76	0	0	0	0
##	64.12	0	0	0	0
##	64.55	0	0	0	0
##	65.67	0	0	0	0
##	65.75	0	0	0	0
##	66.2	0	0	0	0
##	66.52	0	0	0	0
##	66.72	0	0	0	0
##	68.51	0	0	0	0
##	70.39	0	0	0	0
##	71.73	0	0	0	0
##	72.49	0	0	0	0
##	72.76	0	0	0	0
##	73.16	0	0	0	0
##	73.34	0	0	0	0
##	73.7	0	0	0	0
##	73.81	0	0	0	0
##	74.2	0	0	0	0
##	74.23	0	0	0	0
##	74.33	0	0	0	0

##	74.65	0	0	0	0
##	74.72	0	0	0	0
##	75.89	0	0	0	0
##	76.1	0	0	0	0
##	76.2	0	0	0	0
##	76.31	0	0	0	0
##	76.39	0	0	0	0
##	76.53	0	0	0	0
##	76.83	0	0	0	0
##	77.61	0	0	0	0
##	78.11	0	0	0	0
##	78.18	0	0	0	0
##	78.27	0	0	0	0
##	78.29	0	0	0	0
##	78.54	0	0	0	0
##	78.85	0	0	0	0
##	79.08	0	0	0	0
##	79.19	0	0	0	0
##	79.42	0	0	0	0
##	79.83	0	0	0	0
##	81.25	0	0	0	0
##	81.72	0	0	0	0
##	81.92	0	0	0	0
##	82.53	0	0	0	0
##	82.57	0	0	1	0
##	82.85	0	0	0	0
##	82.89	0	0	0	0
##	83.51	0	0	0	0
##	85.63	0	0	0	0
##	86.18	0	0	0	0
##	86.34	0	0	0	0
##	86.87	0	0	0	0
##	87.19	0	0	0	0
##	87.21	0	0	0	1
##	87.38	0	0	0	0
##	87.88	0	0	0	0
##	88.05	0	0	0	0
##	88.06	0	0	0	0
##	88.44	0	0	0	0
##	89.75	0	0	0	0
##	89.79	0	0	0	0
##	90.3	0	0	0	0
##	90.96	0	0	0	0
##	91.12	0	0	0	0
##	91.38	0	0	0	0
##	91.43	0	0	0	0
##	92.51	0	0	0	0
##	93.97	0	0	0	0
##	94.15	0	0	0	0
##	94.37	0	0	0	0
##	94.57	0	0	0	0
##	95.5	0	0	0	0
##	96.03	0	0	0	0
##	96.12	0	0	0	0

##	96.73	0	0	0	0
##	97.4	0	0	0	0
##	98.73	0	0	0	0
##	98.78	0	0	0	0
##	102.1	0	0	0	0
##	102.7	0	0	0	0
##	104.1	0	0	0	0
##	105.8	0	0	0	0
##	106.3	0	0	0	0
##	109	0	0	0	0
##	110.1	0	0	0	0
##	111.2	1	0	0	0
##	111.8	0	0	0	0
##	113.4	0	0	0	0
##	116	0	0	0	0
##	121.1	0	0	0	0
##	122.8	0	0	0	0
##	123.6	0	0	0	0
##	123.7	0	0	0	0
##	124.4	0	0	0	0
##	124.8	0	0	0	0
##	126.2	0	0	0	0
##	129.5	0	0	0	0
##	131.2	0	0	0	0
##	132.4	0	0	0	0
##	132.9	0	0	0	0
##	133.8	0	0	0	0
##	134.7	0	1	0	0
##	135.7	0	0	0	0
##	137.8	0	0	0	0
##	138.9	0	0	0	0
##	182.1	0	0	0	0
##	svm.pred				
##	actual	1.81938597632778	1.83087195674349	1.89286591745649	1.89289019806533
##	54.42	0	0	0	0
##	54.53	0	0	0	0
##	59.96	0	0	0	0
##	61.24	0	0	0	0
##	61.49	0	0	0	0
##	62.5	0	0	0	0
##	63.19	0	0	0	0
##	63.76	0	0	0	0
##	64.12	0	0	0	0
##	64.55	0	0	0	0
##	65.67	0	0	0	0
##	65.75	0	0	0	0
##	66.2	0	0	0	0
##	66.52	0	0	0	0
##	66.72	0	0	0	0
##	68.51	0	0	0	0
##	70.39	0	0	0	0
##	71.73	0	0	0	0
##	72.49	0	0	0	0
##	72.76	0	0	0	0



##	73.16	0	0	0	0
##	73.34	0	0	0	0
##	73.7	0	0	0	0
##	73.81	0	0	0	0
##	74.2	0	0	0	0
##	74.23	0	0	0	0
##	74.33	0	0	0	0
##	74.65	0	0	0	0
##	74.72	0	0	0	0
##	75.89	0	0	0	0
##	76.1	0	0	0	0
##	76.2	0	0	0	0
##	76.31	0	0	0	0
##	76.39	0	0	0	0
##	76.53	0	0	0	0
##	76.83	0	0	0	0
##	77.61	0	0	0	0
##	78.11	0	0	0	0
##	78.18	0	0	0	0
##	78.27	0	0	0	0
##	78.29	0	0	0	0
##	78.54	0	0	0	0
##	78.85	0	0	0	0
##	79.08	0	0	0	0
##	79.19	0	0	0	0
##	79.42	0	0	0	0
##	79.83	0	0	0	0
##	81.25	0	0	0	0
##	81.72	0	0	0	0
##	81.92	0	0	0	0
##	82.53	0	0	0	0
##	82.57	0	0	0	0
##	82.85	0	0	0	0
##	82.89	0	0	0	0
##	83.51	0	0	0	0
##	85.63	0	0	0	0
##	86.18	0	0	0	0
##	86.34	0	0	0	0
##	86.87	0	0	0	0
##	87.19	0	0	0	0
##	87.21	0	0	0	0
##	87.38	0	0	0	0
##	87.88	0	0	0	0
##	88.05	0	0	0	0
##	88.06	0	0	0	0
##	88.44	0	0	0	0
##	89.75	0	0	0	0
##	89.79	0	0	0	0
##	90.3	0	0	0	0
##	90.96	0	0	0	0
##	91.12	1	0	0	0
##	91.38	0	0	0	0
##	91.43	0	0	0	0
##	92.51	0	0	0	0

##	93.97	0	0	0	0
##	94.15	0	0	0	0
##	94.37	0	0	0	0
##	94.57	0	0	0	0
##	95.5	0	0	0	0
##	96.03	0	0	0	0
##	96.12	0	0	0	0
##	96.73	0	0	0	0
##	97.4	0	0	0	0
##	98.73	0	0	0	0
##	98.78	0	0	0	0
##	102.1	0	0	0	0
##	102.7	0	0	0	0
##	104.1	0	0	0	0
##	105.8	0	0	0	0
##	106.3	0	0	0	0
##	109	0	0	0	0
##	110.1	0	0	0	0
##	111.2	0	0	0	0
##	111.8	0	0	0	0
##	113.4	0	0	0	0
##	116	0	0	0	0
##	121.1	0	0	0	0
##	122.8	0	0	0	1
##	123.6	0	0	0	0
##	123.7	0	0	0	0
##	124.4	0	0	0	0
##	124.8	0	0	0	0
##	126.2	0	0	0	0
##	129.5	0	0	0	0
##	131.2	0	0	0	0
##	132.4	0	0	0	0
##	132.9	0	0	0	0
##	133.8	0	0	0	0
##	134.7	0	0	0	0
##	135.7	0	1	0	0
##	137.8	0	0	0	0
##	138.9	0	0	0	0
##	182.1	0	0	1	0
##	svm.pred				
##	actual	1.90486039528059	1.92121573742359	1.92441782969331	1.94042262832078
##	54.42	0	0	0	0
##	54.53	0	0	0	0
##	59.96	0	0	0	0
##	61.24	0	0	0	0
##	61.49	0	0	0	0
##	62.5	0	0	0	0
##	63.19	0	0	0	0
##	63.76	0	0	0	0
##	64.12	0	0	0	0
##	64.55	0	0	0	0
##	65.67	0	0	0	0
##	65.75	0	0	0	0
##	66.2	0	0	0	0

##	66.52	0	0	0	0
##	66.72	0	0	0	0
##	68.51	0	0	0	0
##	70.39	0	0	0	0
##	71.73	0	0	0	0
##	72.49	0	0	0	0
##	72.76	0	0	0	0
##	73.16	0	0	0	0
##	73.34	0	0	0	0
##	73.7	0	0	0	0
##	73.81	0	0	0	0
##	74.2	0	0	0	0
##	74.23	0	0	0	0
##	74.33	0	0	0	0
##	74.65	0	0	0	0
##	74.72	0	0	0	0
##	75.89	0	0	0	0
##	76.1	0	0	0	0
##	76.2	0	0	0	0
##	76.31	0	0	0	0
##	76.39	0	0	0	0
##	76.53	0	0	0	0
##	76.83	0	0	0	0
##	77.61	0	0	0	0
##	78.11	0	0	0	0
##	78.18	0	0	0	0
##	78.27	0	0	0	0
##	78.29	0	0	0	0
##	78.54	0	0	0	0
##	78.85	0	0	0	0
##	79.08	0	0	0	0
##	79.19	0	0	0	0
##	79.42	0	0	0	0
##	79.83	0	0	0	0
##	81.25	0	0	0	0
##	81.72	0	0	0	0
##	81.92	0	0	0	0
##	82.53	0	0	0	0
##	82.57	0	0	0	0
##	82.85	0	0	0	0
##	82.89	0	0	0	0
##	83.51	0	0	0	0
##	85.63	0	0	0	0
##	86.18	0	0	0	0
##	86.34	0	0	0	0
##	86.87	0	0	0	0
##	87.19	0	0	0	0
##	87.21	0	0	0	0
##	87.38	0	0	0	0
##	87.88	0	0	0	0
##	88.05	0	0	0	0
##	88.06	0	0	0	0
##	88.44	0	0	0	0
##	89.75	0	0	0	0

##	89.79	0	0	0	0
##	90.3	0	0	0	0
##	90.96	0	0	0	0
##	91.12	0	0	0	0
##	91.38	0	0	0	0
##	91.43	0	0	0	0
##	92.51	0	0	0	0
##	93.97	0	0	0	0
##	94.15	0	0	0	0
##	94.37	0	0	0	0
##	94.57	0	0	0	0
##	95.5	0	0	0	0
##	96.03	0	0	0	0
##	96.12	0	0	0	0
##	96.73	0	0	0	0
##	97.4	0	0	0	0
##	98.73	0	0	0	0
##	98.78	0	0	0	0
##	102.1	0	0	1	0
##	102.7	0	0	0	0
##	104.1	0	1	0	0
##	105.8	0	0	0	0
##	106.3	0	0	0	0
##	109	0	0	0	0
##	110.1	0	0	0	0
##	111.2	0	0	0	0
##	111.8	0	0	0	0
##	113.4	0	0	0	0
##	116	1	0	0	0
##	121.1	0	0	0	0
##	122.8	0	0	0	0
##	123.6	0	0	0	0
##	123.7	0	0	0	0
##	124.4	0	0	0	1
##	124.8	0	0	0	0
##	126.2	0	0	0	0
##	129.5	0	0	0	0
##	131.2	0	0	0	0
##	132.4	0	0	0	0
##	132.9	0	0	0	0
##	133.8	0	0	0	0
##	134.7	0	0	0	0
##	135.7	0	0	0	0
##	137.8	0	0	0	0
##	138.9	0	0	0	0
##	182.1	0	0	0	0
##	svm.pred				
##	actual	1.94206236865766	1.95591330302474	1.9680881934525	1.97308711099322
##	54.42	0	0	0	0
##	54.53	0	0	0	0
##	59.96	0	0	0	0
##	61.24	0	0	0	0
##	61.49	0	0	0	0
##	62.5	0	0	0	0

##	63.19	0	0	0	0
##	63.76	0	0	0	0
##	64.12	0	0	0	0
##	64.55	0	0	0	0
##	65.67	0	0	0	0
##	65.75	0	0	0	0
##	66.2	0	0	0	0
##	66.52	0	0	0	0
##	66.72	0	0	0	0
##	68.51	0	0	0	0
##	70.39	0	0	0	0
##	71.73	0	0	0	0
##	72.49	0	0	0	0
##	72.76	0	0	0	0
##	73.16	0	0	0	0
##	73.34	0	0	0	0
##	73.7	0	0	0	0
##	73.81	0	0	0	0
##	74.2	0	0	0	0
##	74.23	0	0	0	0
##	74.33	0	0	0	0
##	74.65	0	0	0	0
##	74.72	0	0	0	0
##	75.89	0	0	0	0
##	76.1	0	0	0	0
##	76.2	0	0	0	0
##	76.31	0	0	0	0
##	76.39	0	0	0	0
##	76.53	0	0	0	0
##	76.83	0	0	0	0
##	77.61	0	0	0	0
##	78.11	0	0	0	0
##	78.18	0	0	0	0
##	78.27	0	0	0	0
##	78.29	0	0	0	0
##	78.54	0	0	0	0
##	78.85	0	0	0	0
##	79.08	0	0	0	0
##	79.19	0	0	0	0
##	79.42	0	0	0	0
##	79.83	0	0	0	0
##	81.25	0	0	0	0
##	81.72	0	0	0	0
##	81.92	0	0	0	0
##	82.53	0	0	0	0
##	82.57	0	0	0	0
##	82.85	0	0	0	0
##	82.89	0	0	0	0
##	83.51	0	0	0	0
##	85.63	0	0	0	0
##	86.18	0	0	0	0
##	86.34	0	0	0	0
##	86.87	0	0	0	0
##	87.19	0	0	0	0

##	87.21	0	0	0	0
##	87.38	0	0	0	0
##	87.88	0	0	0	0
##	88.05	0	0	0	0
##	88.06	0	0	0	0
##	88.44	0	0	0	0
##	89.75	0	0	0	0
##	89.79	0	0	0	0
##	90.3	0	0	0	0
##	90.96	0	0	0	0
##	91.12	0	0	0	0
##	91.38	0	0	0	0
##	91.43	0	0	0	0
##	92.51	0	0	0	0
##	93.97	0	0	0	0
##	94.15	0	0	0	0
##	94.37	0	0	0	0
##	94.57	0	0	0	0
##	95.5	0	0	0	0
##	96.03	0	0	0	0
##	96.12	0	0	0	0
##	96.73	0	0	0	0
##	97.4	1	0	0	0
##	98.73	0	0	0	0
##	98.78	0	0	0	0
##	102.1	0	0	0	0
##	102.7	0	0	0	0
##	104.1	0	0	0	0
##	105.8	0	0	0	0
##	106.3	0	0	0	0
##	109	0	0	0	0
##	110.1	0	0	0	0
##	111.2	0	0	0	0
##	111.8	0	0	0	0
##	113.4	0	0	0	0
##	116	0	0	0	0
##	121.1	0	0	0	0
##	122.8	0	0	0	0
##	123.6	0	0	0	0
##	123.7	0	0	0	0
##	124.4	0	0	0	0
##	124.8	0	0	0	1
##	126.2	0	0	1	0
##	129.5	0	0	0	0
##	131.2	0	0	0	0
##	132.4	0	0	0	0
##	132.9	0	0	0	0
##	133.8	0	0	0	0
##	134.7	0	0	0	0
##	135.7	0	0	0	0
##	137.8	0	0	0	0
##	138.9	0	1	0	0
##	182.1	0	0	0	0
##	svm.pred				

## actual	1.97877173724993	1.98912630749024	1.98991111541176	1.99996247007478
## 54.42	0	0	0	0
## 54.53	0	0	0	0
## 59.96	0	0	0	0
## 61.24	0	0	0	0
## 61.49	0	0	0	0
## 62.5	0	0	0	0
## 63.19	0	0	0	0
## 63.76	0	0	0	0
## 64.12	0	0	0	0
## 64.55	0	0	0	0
## 65.67	0	0	0	0
## 65.75	0	0	0	0
## 66.2	0	0	0	0
## 66.52	0	0	0	0
## 66.72	0	0	0	0
## 68.51	0	0	0	0
## 70.39	0	0	0	0
## 71.73	0	0	0	0
## 72.49	0	0	0	0
## 72.76	0	0	0	0
## 73.16	0	0	0	0
## 73.34	0	0	0	0
## 73.7	0	0	0	0
## 73.81	0	0	0	0
## 74.2	0	0	0	0
## 74.23	0	0	0	0
## 74.33	0	0	0	0
## 74.65	0	0	0	0
## 74.72	0	0	0	0
## 75.89	0	0	0	0
## 76.1	0	0	0	0
## 76.2	0	0	0	0
## 76.31	0	0	0	0
## 76.39	0	0	0	0
## 76.53	0	0	0	0
## 76.83	0	0	0	0
## 77.61	0	0	0	0
## 78.11	0	0	0	0
## 78.18	0	0	0	0
## 78.27	0	0	0	0
## 78.29	0	0	0	0
## 78.54	0	0	0	0
## 78.85	0	0	0	0
## 79.08	0	0	0	0
## 79.19	0	0	0	0
## 79.42	0	0	0	0
## 79.83	0	0	0	0
## 81.25	0	0	0	0
## 81.72	0	0	0	0
## 81.92	0	0	0	0
## 82.53	0	0	0	0
## 82.57	0	0	0	0
## 82.85	0	0	0	0

##	82.89	0	0	0	0
##	83.51	0	0	0	0
##	85.63	0	0	0	0
##	86.18	0	0	0	0
##	86.34	0	0	0	0
##	86.87	0	0	0	0
##	87.19	0	0	0	0
##	87.21	0	0	0	0
##	87.38	0	0	0	0
##	87.88	0	0	0	0
##	88.05	0	0	0	0
##	88.06	0	0	0	0
##	88.44	0	0	0	0
##	89.75	0	0	0	0
##	89.79	0	0	0	0
##	90.3	0	0	0	0
##	90.96	0	0	0	0
##	91.12	0	0	0	0
##	91.38	0	0	0	0
##	91.43	0	0	0	0
##	92.51	0	0	0	0
##	93.97	0	0	0	0
##	94.15	0	0	0	0
##	94.37	0	0	0	0
##	94.57	0	0	0	0
##	95.5	0	0	0	0
##	96.03	0	0	0	0
##	96.12	0	0	0	0
##	96.73	0	0	0	0
##	97.4	0	0	0	0
##	98.73	0	0	0	0
##	98.78	0	0	0	0
##	102.1	0	0	0	0
##	102.7	0	0	0	0
##	104.1	0	0	0	0
##	105.8	0	0	0	0
##	106.3	0	0	0	0
##	109	0	0	0	0
##	110.1	0	0	0	0
##	111.2	0	0	0	0
##	111.8	0	0	0	0
##	113.4	0	1	0	0
##	116	0	0	0	0
##	121.1	0	0	0	0
##	122.8	0	0	0	0
##	123.6	0	0	0	0
##	123.7	0	0	0	1
##	124.4	0	0	0	0
##	124.8	0	0	0	0
##	126.2	0	0	0	0
##	129.5	0	0	1	0
##	131.2	1	0	0	0
##	132.4	0	0	0	0
##	132.9	0	0	0	0



##	133.8	0	0	0	0
##	134.7	0	0	0	0
##	135.7	0	0	0	0
##	137.8	0	0	0	0
##	138.9	0	0	0	0
##	182.1	0	0	0	0
##	svm.pred				
##	actual	2.02543986255012	2.05156486783855	2.05209221127718	2.06194670822561
##	54.42	0	0	0	0
##	54.53	0	0	0	0
##	59.96	0	0	0	0
##	61.24	0	0	0	0
##	61.49	0	0	0	0
##	62.5	0	0	0	0
##	63.19	0	0	0	0
##	63.76	0	0	0	0
##	64.12	0	0	0	0
##	64.55	0	0	0	0
##	65.67	0	0	0	0
##	65.75	0	0	0	0
##	66.2	0	0	0	0
##	66.52	0	0	0	0
##	66.72	0	0	0	0
##	68.51	0	0	0	0
##	70.39	0	0	0	0
##	71.73	0	0	0	0
##	72.49	0	0	0	0
##	72.76	0	0	0	0
##	73.16	0	0	0	0
##	73.34	0	0	0	0
##	73.7	0	0	0	0
##	73.81	0	0	0	0
##	74.2	0	0	0	0
##	74.23	0	0	0	0
##	74.33	0	0	0	0
##	74.65	0	0	0	0
##	74.72	0	0	0	0
##	75.89	0	0	0	0
##	76.1	0	0	0	0
##	76.2	0	0	0	0
##	76.31	0	0	0	0
##	76.39	0	0	0	0
##	76.53	0	0	0	0
##	76.83	0	0	0	0
##	77.61	0	0	0	0
##	78.11	0	0	0	0
##	78.18	0	0	0	0
##	78.27	0	0	0	0
##	78.29	0	0	0	0
##	78.54	0	0	0	0
##	78.85	0	0	0	0
##	79.08	0	0	0	0
##	79.19	0	0	0	0
##	79.42	0	0	0	0

##	79.83	0	0	0	0
##	81.25	0	0	0	0
##	81.72	0	0	0	0
##	81.92	0	0	0	0
##	82.53	0	0	0	0
##	82.57	0	0	0	0
##	82.85	0	0	0	0
##	82.89	0	0	0	0
##	83.51	0	0	0	0
##	85.63	0	0	0	0
##	86.18	0	0	0	0
##	86.34	0	0	0	0
##	86.87	0	0	0	0
##	87.19	0	0	0	0
##	87.21	0	0	0	0
##	87.38	0	0	0	0
##	87.88	0	0	0	0
##	88.05	0	0	0	0
##	88.06	0	0	0	0
##	88.44	0	0	0	0
##	89.75	0	0	0	0
##	89.79	0	0	0	0
##	90.3	0	0	0	0
##	90.96	0	0	0	0
##	91.12	0	0	0	0
##	91.38	0	0	0	0
##	91.43	0	0	0	0
##	92.51	0	0	0	0
##	93.97	0	0	0	0
##	94.15	0	0	0	0
##	94.37	0	0	0	0
##	94.57	0	0	0	0
##	95.5	0	0	0	0
##	96.03	0	0	0	0
##	96.12	0	0	0	0
##	96.73	0	0	0	0
##	97.4	0	0	0	0
##	98.73	0	0	0	0
##	98.78	0	0	0	0
##	102.1	0	0	0	0
##	102.7	0	0	0	0
##	104.1	0	0	0	0
##	105.8	0	0	0	0
##	106.3	0	0	0	0
##	109	0	0	0	0
##	110.1	0	1	0	0
##	111.2	0	0	0	0
##	111.8	0	0	0	1
##	113.4	0	0	0	0
##	116	0	0	0	0
##	121.1	0	0	0	0
##	122.8	0	0	0	0
##	123.6	0	0	0	0
##	123.7	0	0	0	0

##	124.4	0	0	0	0
##	124.8	0	0	0	0
##	126.2	0	0	0	0
##	129.5	0	0	0	0
##	131.2	0	0	0	0
##	132.4	0	0	1	0
##	132.9	0	0	0	0
##	133.8	0	0	0	0
##	134.7	0	0	0	0
##	135.7	0	0	0	0
##	137.8	1	0	0	0
##	138.9	0	0	0	0
##	182.1	0	0	0	0
##	svm.pred				
##	actual	2.06330534269185	2.08103789007547	2.08955243303036	2.09208176381217
##	54.42	0	0	0	0
##	54.53	0	0	0	0
##	59.96	0	0	0	0
##	61.24	0	0	0	0
##	61.49	0	0	0	0
##	62.5	0	0	0	0
##	63.19	0	0	0	0
##	63.76	0	0	0	0
##	64.12	0	0	0	0
##	64.55	0	0	0	0
##	65.67	0	0	0	0
##	65.75	0	0	0	0
##	66.2	0	0	0	0
##	66.52	0	0	0	0
##	66.72	0	0	0	0
##	68.51	0	0	0	0
##	70.39	0	0	0	0
##	71.73	0	0	0	0
##	72.49	0	0	0	0
##	72.76	0	0	0	0
##	73.16	0	0	0	0
##	73.34	0	0	0	0
##	73.7	0	0	0	0
##	73.81	0	0	0	0
##	74.2	0	0	0	0
##	74.23	0	0	0	0
##	74.33	0	0	0	0
##	74.65	0	0	0	0
##	74.72	0	0	0	0
##	75.89	0	0	0	0
##	76.1	0	0	0	0
##	76.2	0	0	0	0
##	76.31	0	0	0	0
##	76.39	0	0	0	0
##	76.53	0	0	0	0
##	76.83	0	0	0	0
##	77.61	0	0	0	0
##	78.11	0	0	0	0
##	78.18	0	0	0	0

##	78.27	0	0	0	0
##	78.29	0	0	0	0
##	78.54	0	0	0	0
##	78.85	0	0	0	0
##	79.08	0	0	0	0
##	79.19	0	0	0	0
##	79.42	0	0	0	0
##	79.83	0	0	0	0
##	81.25	0	0	0	0
##	81.72	0	0	0	0
##	81.92	0	0	0	0
##	82.53	0	0	0	0
##	82.57	0	0	0	0
##	82.85	0	0	0	0
##	82.89	0	0	0	0
##	83.51	0	0	0	0
##	85.63	0	0	0	0
##	86.18	0	0	0	0
##	86.34	0	0	0	0
##	86.87	0	0	0	0
##	87.19	0	0	0	0
##	87.21	0	0	0	0
##	87.38	0	0	0	0
##	87.88	0	0	0	0
##	88.05	0	0	0	0
##	88.06	0	0	0	0
##	88.44	0	0	0	0
##	89.75	0	0	0	0
##	89.79	0	0	0	0
##	90.3	0	0	0	0
##	90.96	0	0	0	0
##	91.12	0	0	0	0
##	91.38	0	0	0	0
##	91.43	0	0	0	0
##	92.51	0	0	0	0
##	93.97	0	0	0	0
##	94.15	0	0	0	0
##	94.37	0	0	0	0
##	94.57	0	0	0	0
##	95.5	0	0	0	0
##	96.03	0	0	0	0
##	96.12	0	0	0	0
##	96.73	0	0	0	1
##	97.4	0	0	0	0
##	98.73	0	0	0	0
##	98.78	0	0	0	0
##	102.1	0	0	0	0
##	102.7	0	0	0	0
##	104.1	0	0	0	0
##	105.8	0	0	0	0
##	106.3	0	0	0	0
##	109	0	0	0	0
##	110.1	0	0	0	0
##	111.2	0	0	0	0

##	111.8	0	0	0	0
##	113.4	0	0	0	0
##	116	0	0	0	0
##	121.1	0	1	0	0
##	122.8	0	0	0	0
##	123.6	0	0	0	0
##	123.7	0	0	0	0
##	124.4	0	0	0	0
##	124.8	0	0	0	0
##	126.2	0	0	0	0
##	129.5	0	0	0	0
##	131.2	0	0	0	0
##	132.4	0	0	0	0
##	132.9	1	0	0	0
##	133.8	0	0	1	0
##	134.7	0	0	0	0
##	135.7	0	0	0	0
##	137.8	0	0	0	0
##	138.9	0	0	0	0
##	182.1	0	0	0	0
##	svm.pred				
##	actual	2.09495341577714	2.1268482940321		
##	54.42	0	0		
##	54.53	0	0		
##	59.96	0	0		
##	61.24	0	0		
##	61.49	0	0		
##	62.5	0	0		
##	63.19	0	0		
##	63.76	0	0		
##	64.12	0	0		
##	64.55	0	0		
##	65.67	0	0		
##	65.75	0	0		
##	66.2	0	0		
##	66.52	0	0		
##	66.72	0	0		
##	68.51	0	0		
##	70.39	0	0		
##	71.73	0	0		
##	72.49	0	0		
##	72.76	0	0		
##	73.16	0	0		
##	73.34	0	0		
##	73.7	0	0		
##	73.81	0	0		
##	74.2	0	0		
##	74.23	0	0		
##	74.33	0	0		
##	74.65	0	0		
##	74.72	0	0		
##	75.89	0	0		
##	76.1	0	0		
##	76.2	0	0		

##	76.31	0	0
##	76.39	0	0
##	76.53	0	0
##	76.83	0	0
##	77.61	0	0
##	78.11	0	0
##	78.18	0	0
##	78.27	0	0
##	78.29	0	0
##	78.54	0	0
##	78.85	0	0
##	79.08	0	0
##	79.19	0	0
##	79.42	0	0
##	79.83	0	0
##	81.25	0	0
##	81.72	0	0
##	81.92	0	0
##	82.53	0	0
##	82.57	0	0
##	82.85	0	0
##	82.89	0	0
##	83.51	0	0
##	85.63	0	0
##	86.18	0	0
##	86.34	0	0
##	86.87	0	0
##	87.19	0	0
##	87.21	0	0
##	87.38	0	0
##	87.88	0	0
##	88.05	0	0
##	88.06	0	0
##	88.44	0	0
##	89.75	0	0
##	89.79	0	0
##	90.3	0	0
##	90.96	0	0
##	91.12	0	0
##	91.38	0	0
##	91.43	0	0
##	92.51	0	0
##	93.97	0	0
##	94.15	0	0
##	94.37	0	0
##	94.57	0	0
##	95.5	0	0
##	96.03	0	0
##	96.12	0	0
##	96.73	0	0
##	97.4	0	0
##	98.73	0	0
##	98.78	0	0
##	102.1	0	0

##	102.7	0	0
##	104.1	0	0
##	105.8	0	0
##	106.3	0	0
##	109	1	0
##	110.1	0	0
##	111.2	0	0
##	111.8	0	0
##	113.4	0	0
##	116	0	0
##	121.1	0	0
##	122.8	0	0
##	123.6	0	1
##	123.7	0	0
##	124.4	0	0
##	124.8	0	0
##	126.2	0	0
##	129.5	0	0
##	131.2	0	0
##	132.4	0	0
##	132.9	0	0
##	133.8	0	0
##	134.7	0	0
##	135.7	0	0
##	137.8	0	0
##	138.9	0	0
##	182.1	0	0

```
SVM_wrong<- (test$diagnosis!=svm.pred)
rate<-sum(SVM_wrong)/length(SVM_wrong)
```

Memory Clean up

```
rm(list=ls())
```