```
1
\label{lataframe} \begin{array}{ll} \texttt{data.frame(name} = \texttt{c("zhangsan","lisi","wangwu","zhaoliu")} \\ & \texttt{height} = \texttt{c(170,165,178,174),} \end{array}
                                    weight = c(50,60,59,62), age = c(13,18,45,32))
lataframe$weight <- as.factor(dataframe$weight)</pre>
```

	name ‡	height ‡	weight ‡	age ‡
1	zhangsan	170	50	13
2	lisi	165	60	18
3	wangwu	178	59	45
4	zhaoliu	174	62	32

2、

```
2、
dataframe$weight <- as.numeric(as.character(dataframe$weight))</pre>
3、
> mean(dataframe$height[dataframe$age<20])</pre>
[1] 167.5
> mean(dataframe$weight[dataframe$age>=20])
[1] 60.5
1、
 dataframe$name[dataframe$score<60]
 > dataframe$name[dataframe$score<60]
 [1] 小王 小叶
Levels: 小李 小王 小叶 小张
> xiaofenscore <- 87*0.6+80*0.4; xiaofenscore
[1] 84.2
 > xiaolu <- 76*0.6+85*0.4; xiaolu
[1] 79.6
3、
day1 <- c("mon","tue","wen")
day2 <- c("day1+thu","fri")</pre>
三、
1、
\label{eq:dataframe} \begin{tabular}{ll} \mbox{dataframe} &<- \mbox{data.frame(name} = c("lieren","shushi","saman"), \\ & \mbox{height} = c(180,180,210), \\ & \mbox{weight} = c(65,70,85)) \end{tabular}
```

```
dataframe$name <- as.character(dataframe$name)</pre>
    dataframe <- rbind(dataframe,c("fashi",165,45))</pre>
dataframe <- dataframe[dataframe$name!="shushi",]</pre>
四、
1、
    dataframe <- data.frame(name=c("A","B","C","D"),gender=c("男","文","女","男"),is.plus=c("是","是","否"),score=c(58,59,85,90),stringsAsFactors=F) dataframe$score[dataframe$score(dataframe$score(dataframe$score(dataframe$score\60&dataframe$score\60&dataframe$score\60&dataframe$score\80&dataframe$score\80&dataframe$score\80&dataframe$score\80&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&dataframe$score\90&
2、
      dataframe <- rbind(dataframe,c("E","女","否",89))
3,
 dataframe$acti <- 0
dataframe$acti[dataframe$gender=="男"] <- "否"
dataframe$acti[dataframe$gender=="文"] <- "是"
五、
1、
    score <- c(61,75,90,82,mean(c(61,75,90,82)))
2、
    score1 \leftarrow c(rep(61,4), rep(75,2), rep(90,1), rep(82,4), rep(mean(c(61,75,90,82)),2))
3,
    score2 <- score*0.7 +c(30,24,33,28,25)
六、
  dataframe <- data.frame(name=c("A","8","C","0"),gender=c("男","男","女","女"),yangwo=c(30,55,55,70),run=c(11,13,10,9),jump=c(2,2.5,3.5,4),stringsAsFactors=F)
dataframescore <- function(a,b,c,d,e)</pre>
       atarramescore <- Tunction(a,b,c,q,e)
score <- array(0,4);
score[which(dataframe$gender=="男"&dataframe[,a]>=b)] <- 100;
score[which(dataframe$gender=="男"&dataframe[,a]<b] <- 100-c*(b-dataframe[which(dataframe$gender=="男"&dataframe[,a]<b)] <- 100-c*(b-dataframe[which(dataframe§gender=="男"&dataframe[,a]<b),a]);
score[which(dataframe$gender=="汝"&dataframe[,a]<d)] <- 100-e*(d-dataframe[which(dataframe$gender=="汝"&dataframe[,a]<d)] <- 100-e*(d-dataframe[which(dataframe$gender=="汝"&dataframe[,a]<d)];
         return(score)
\label{eq:dataframescore1} \begin{cases} & \text{function}(a,b,c,d,e) \\ & \text{score} <- \text{ array}(0,4); \\ & \text{score} \text{ array}(0,4); \\ & \text{score}[\text{which}(\text{dataframe})\text{gender=="} \mathbb{B}^*\text{\&dataframe}[,a]<=b)] <- 100; \\ & \text{score}[\text{which}(\text{dataframe})\text{gender=="} \mathbb{B}^*\text{\&dataframe}[,a]>b)] <- 100-c^*(\text{dataframe}[\text{which}(\text{dataframe})\text{gender=="} \mathbb{B}^*\text{\&dataframe}[,a]>b); \\ & \text{score}[\text{which}(\text{dataframe})\text{gender=="} \mathbb{E}^*\text{\&dataframe}[,a]<=b)] <- 100; \\ & \text{score}[\text{which}(\text{dataframe})\text{gender=="} \mathbb{E}^*\text{\&dataframe}[,a]>d)] <- 100-e^*(\text{dataframe}[\text{which}(\text{dataframe})\text{gender=="} \mathbb{E}^*\text{\&dataframe}[,a]>d), \\ & \text{score}[\text{which}(\text{dataframe})\text{gender=="} \mathbb{E}^*\text{\&dataframe}[,a]>d)] <- 100-e^*(\text{dataframe}[\text{which}(\text{dataframe})\text{gender=="} \mathbb{E}^*\text{\&dataframe}[,a]>d), \\ & \text{score}[\text{which}(\text{dataframe})\text{gender=="} \mathbb{E}^*\text{\&dataframe}[,a]>d), \\ & \text{score}[\text{which}(\text{dataframe})\text{\&dataframe}[,a]>d), \\ & \text{score}[\text{w
  return(score)
score \leftarrow t(rbind(dataframescore(3,70,1,60,1),dataframescore(4,9,10,10,10),dataframescore(5,4.5,20,3,20))) \\ score1 \leftarrow cbind(dataframe,apply(score,1,mean))
3′
 \label{eq:dataframe} $$ \begin{array}{lll} \text{dataframe}[3,4] & <- \text{ dataframe}[3,4]-5 \\ \text{score} & <- \text{ t(rbind(dataframescore(3,70,1,60,1),dataframescore(4,9,10,10,10),dataframescore(5,4.5,20,3,20)))} \end{array} $$
  score1 <- cbind(dataframe,apply(score,1,mean))</pre>
```