1、学习过程中存在的问题：

①对基本的概念了解不够，查阅help文件之后有了一定的进步。但是help里面有很多理解较为生涩的地方。

②有时候代码的一个小错误导致运行结果有误甚至运行不了。

③对编程的规范化还有待提高。

2、使用R进行数据处理的优势

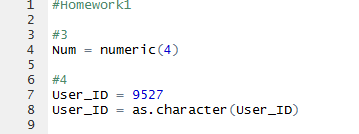
①RStudio是免费的，较为大众化，能满足大多数人群需求。

②可以跨平台操作，在不同语言环境中可进行交流。

③资源丰富，有各种资源包可供使用，可以根据需要进行下载使用。

④可大量导入数据后进行处理，方便了对海量数据的分析。

**代码部分**

#Homework1

#3

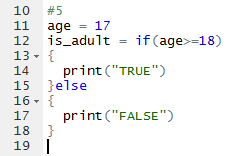
Num = numeric(4)

#4

User\_ID = 9527

User\_ID = as.character(User\_ID)

#5

age = 17

is\_adult = if(age>=18)

{

print("TRUE")

}else

{

print("FALSE")

}

#6.a

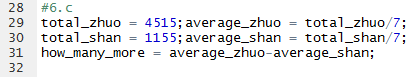
team = 6;member = 4;total = 360;

average = total/(member\*team);

#6.b

velocity = 18;car\_length = 18;tunnel\_length = 324;

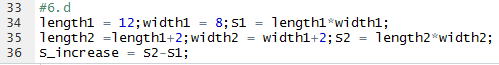
time = (car\_length+tunnel\_length)/velocity;

#6.c

total\_zhuo = 4515;average\_zhuo = total\_zhuo/7;

total\_shan = 1155;average\_shan = total\_shan/7;

how\_many\_more = average\_zhuo-average\_shan;

#6.d

length1 = 12;width1 = 8;S1 = length1\*width1;

length2 =length1+2;width2 = width1+2;S2 = length2\*width2;

S\_increase = S2-S1;

#7

result = seq(2,14,2);

#8

names = c("zhangsan","lisi","wangwu");

height = c(165,175,170);

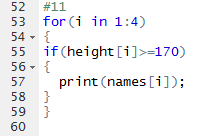
#9

user.data = data.frame(names,height);

#10

names = c(names,"xiaoming");height = c(height,180);

user.data = data.frame(names,height);

#11

for(i in 1:4)

{

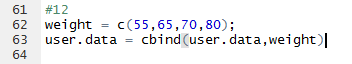
if(height[i]>=170)

{

print(names[i]);

}

}

#12

weight = c(55,65,70,80);

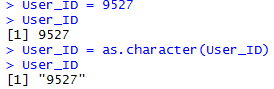
user.data = cbind(user.data,weight)

**运行结果**

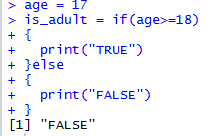
#3



#4



#5



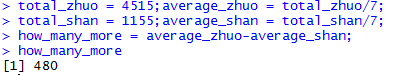
#6.a



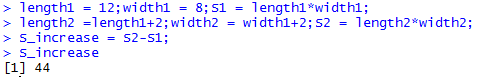
#6.b



#6.c



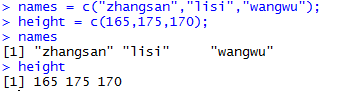
#6.d



#7



#8



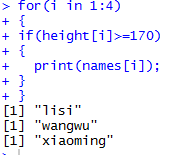
#9



#10



#11



#12

