

LAB QUESTION BANK

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Subject: CSA1672, Data warehouse and data mining

4) Use following group of data: 200, 300, 400, 600, 1000

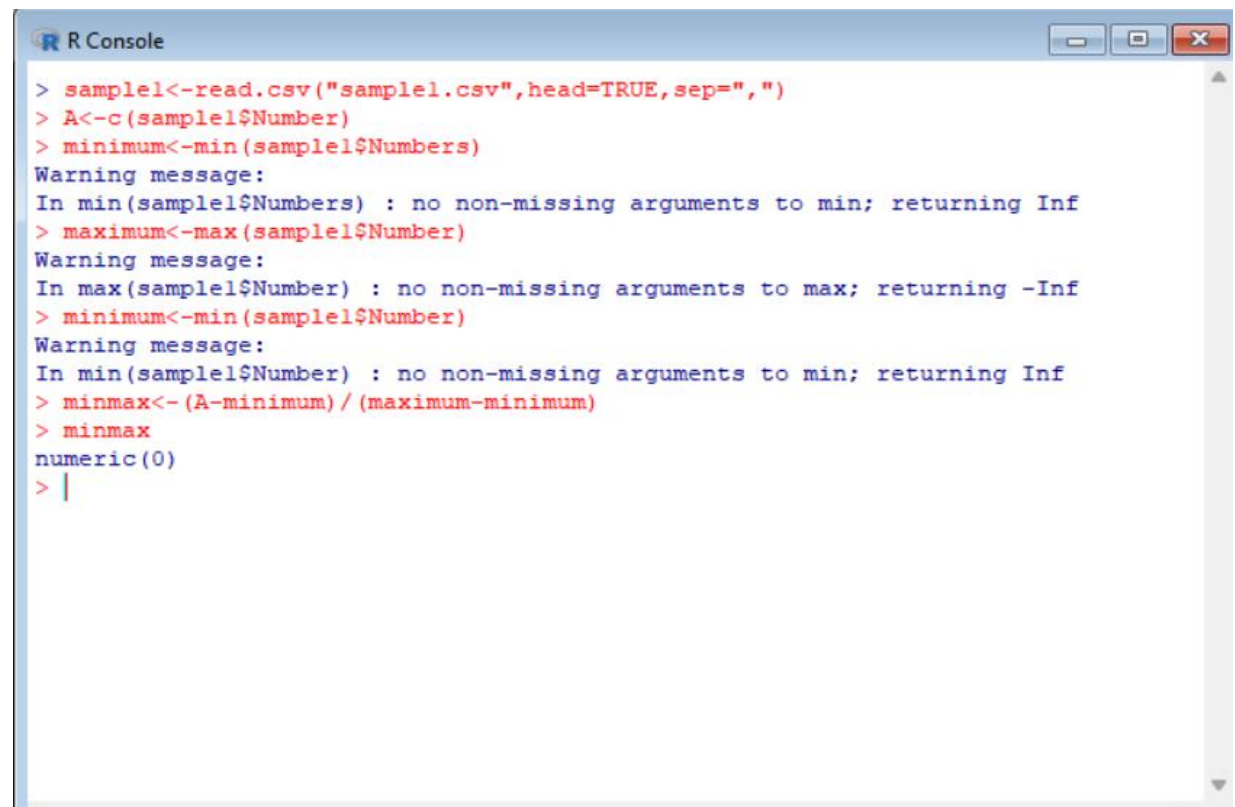
(a) min-max normalization by setting min = 0 and max = 1 (b)

(b) z-score normalization

(c) (c) z-score normalization using the mean absolute deviation instead of standard deviation (d) normalization by decimal scaling

OUTPUT:

A)



```
> sample1<-read.csv("sample1.csv",head=TRUE,sep=",")
> A<-c(sample1$Number)
> minimum<-min(sample1$Numbers)
Warning message:
In min(sample1$Numbers) : no non-missing arguments to min; returning Inf
> maximum<-max(sample1$Number)
Warning message:
In max(sample1$Number) : no non-missing arguments to max; returning -Inf
> minimum<-min(sample1$Number)
Warning message:
In min(sample1$Number) : no non-missing arguments to min; returning Inf
> minmax<-(A-minimum)/(maximum-minimum)
> minmax
numeric(0)
> |
```

B)

```
> A<-sample(5Number)
Error: unexpected ')' in "A<-sample(5Number)"
> A<-sample(5Number)
> Mean<-mean(A)
Warning message:
In mean.default(A) : argument is not numeric or logical: returning NA
> Std<-sd(A)
> Zscore<-(A-Mean/Std
+ )
> Zscore
Error: object 'Zscore' not found
> Zscore<-(A-Mean/Std)
> Zscore
Error: object 'Zscore' not found
> Zscore
numeric(0)
> |
```

C.

```
## Math in a W (V)
> decimascaling=(A/100)
> decimascaling
numeric(0)
> |
```