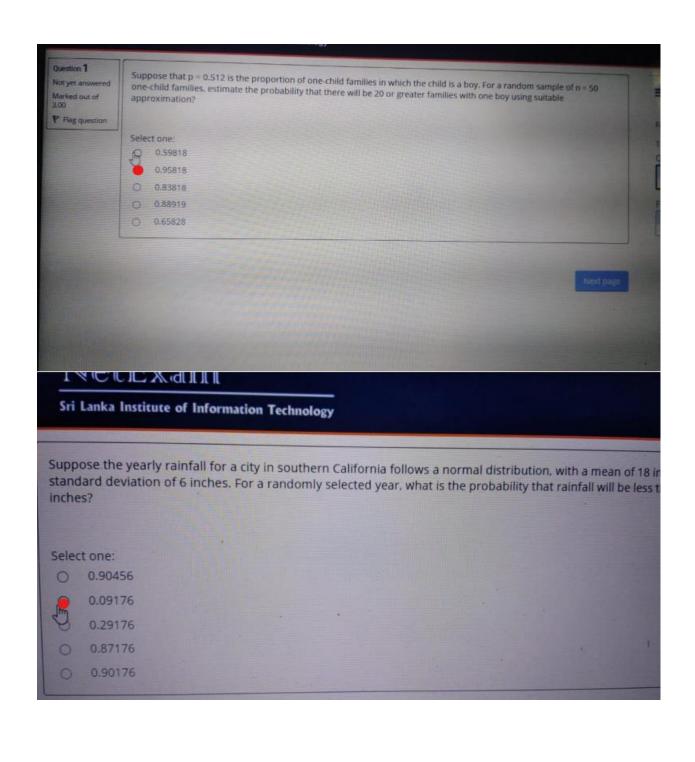


Suppose that an airline runs a commuter flight that holds 40 people customers on this flight has a mean of 210 pounds and a standard weight of passenger plus luggage is less than 208 pounds for a rand	
Select one:	
0.05576	D .
0.35075	
0.95705	
0.07505	
What is the output of the following function?	· ·
X<-c(2,5,6,3,3,2,1,1,0,9,1,0,5,4,9,4,9,9)	
get.f1<-function(y){	
u1<-table(X)	
names(u1[u1==min(u1)])	
) 4	
get.f1(X)	
Select one:	
0 2	
0 1	
• 6	
0 9	
0 3	



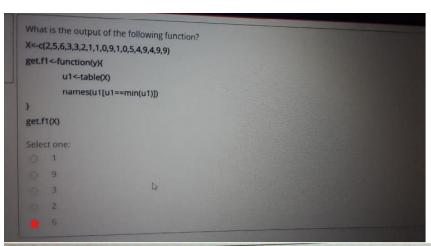
Suppose that p = 0.512 is the proportion of one-child estimate the probability that no of families will be in	d families in which the child is a boy. For a random sample of n = 50 one-child families, between 15 and 24 with one boy using suitable approximation? [P(15 <x<24)]< th=""></x<24)]<>
Select one:	
O 0.82547	
0.27548	
0.72548	
O 0.77548	
Suppose that the amount of money that studistribution with mean \$360 and standard of spends between \$250 and \$480 on textbook	udents at a college spend on textbooks this semester have a normal deviation \$120. What is the probability that a randomly selected student like this semester?
Select one: O 0.66255	
O 0.66255 O 0.22255	
0 0.66388	
0.55266	B
0 0.88255	
What is the R command used	to create database in R?
Select one:	
o data.frame()	
O data.base()	
o database()	
O data()	

uestion 1 Lot yet answered Marked out of	Suppose the yearly rainfall for a city in southern California follows a normal distribution, with a mean of 18 inches and a standard deviatio of 6 inches. For a randomly selected year, what is the probability that rainfall will be less than 10 inches?
P Flag question	Select one: 0.87176 0.90456 0.09176 0.90176 0.29176
What	is the R command used to obtain the five number summary?
Select	one:
0	fivenumber(variable)
•	summary(variable)
0	5numbersummary(variable)
0	fivenumbersummary(variable)
What i	s the R command that you can used to import a csv file?
Select	one:
0	read.xlsx (filename.csv, header=TRUE)
	read.csv ("filename.csv", header=TRUE)

O read.csv (filename.csv, header=TRUE)

read.xlsx ("filename.csv", header=TRUE)

import.csv ("filename.csv", header=TRUE)



Verbal SAT test scores X, for which the mean is 500 and the standard deviation is 100, assume to have a normal distribution. Find the probability that verbal SAT test score is less than 650.

Select one:

0.93319

0.76319

0.88319

0.998819

0.992576

rered

Consider following probability density function $(f_{\chi}(x))$. $f_{X}(x) = \begin{cases} (1/4)x^{3}; & 0 \leq x \leq 2 \\ 0; & \text{otherwise} \end{cases}$ Find $E(X^{2})$.

of

$$f_X(x) = \begin{cases} (1/4)x^3 ; 0 \le x \le 2 \\ 0 ; otherwise \end{cases}$$

ion

Select one:

- 7/3

8/5

- - -8/3
- 8/3
- -8/5

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Suppose that the amount of money that students at a college spend on textbooks this semester have a normal distribution with mean \$360 and standard deviation \$120. What is the probability that a randomly selected student spends between \$250 and \$480 on textbooks this semester?

- 0.88255
- 0.55266
- 0.22255
- 0.66388
- 0.66255

Suppose that p = 0.512 is the proportion of one-child families in which the child is a boy. For a random sample of n = 50 approximation? [P(15<X<24)]

Select one:

0 0.72548

O 0.82547 O 0.77548

0.57248

0.27548

Consider following probability density function $(f_{\chi}(x))$.

$$f_X(x) = \begin{cases} (1/4)x^3 ; 0 \le x \le 2 \\ 0 ; otherwise \end{cases}$$

Find E(X).

- 0 8/9
- 0 7/9
- 0 7/5
- 9 8/5
- 0 -8/9

Consider following probability density function $(f_{\chi}(x))$. $f_X(x) = \begin{cases} kx^4 ; -3 \le x \le 2 \\ 0 ; otherwise \end{cases}$ Find k value. Select one: 0 -2/55 Q -1/55 0 1/60 1/55 0 2/55

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Consider following probability density function $(f_{\chi}(x))$.

$$f_{x}(x) = \begin{cases} (1/4)x^{3} ; 0 \leq x \leq 2 \\ 0 ; otherwise \end{cases}$$

Find E(X).

Select one:

- 0 -8/9
- 0 8/9
- 0 7/5
- 7/9

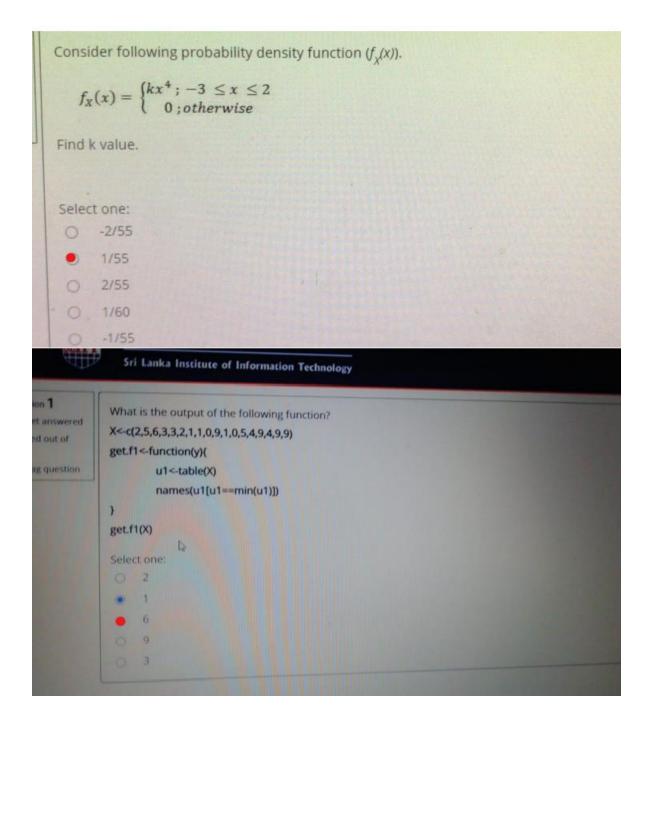
8/5

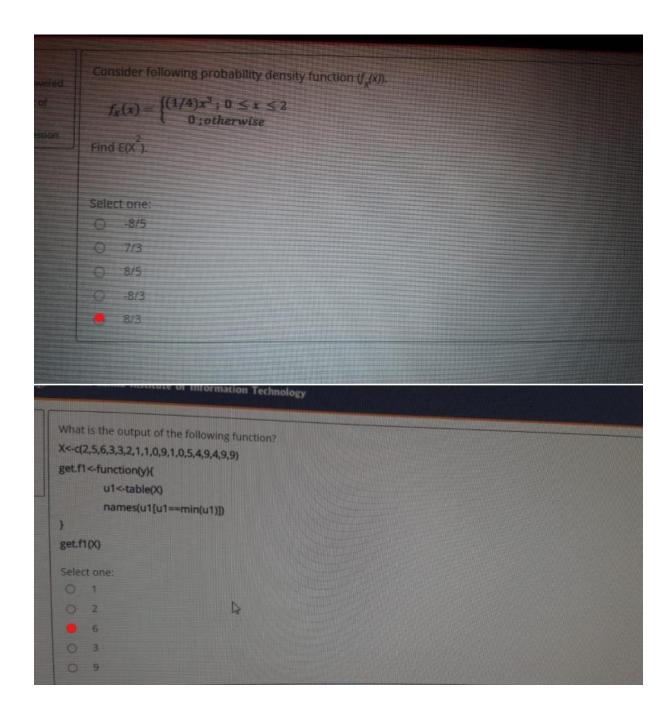
Consider following probability density function $(f_{\chi}(x))$.

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Find k value,

- 0 -1/55
- 0 1/60
- 0 2/55
- 0 -2/55
- 1/55



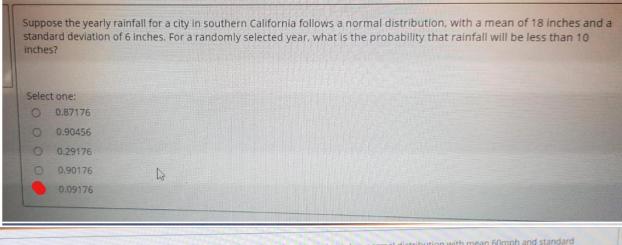


"[13,15)" "[15,17)" "[17,19)" "[19,21)" "[21,23)" "[23,25)" "[25,27)"

```
Select one:
0
    d<-c(13,15,17,19,21,23,25,27)
    b <- c()
    for(i in 1:8){
    b[i] <- paste0("[", d[i], ",", d[i+1], ")")
    print(b)
    d<-c(13,15,17,19,21,23,25,27)
    b <- c()
     for(i in 1:7){
     b[i] <- paste0("[", d[i+1], ",", d[i], ")")
     print(b)
     d<-c(13,15,17,19,21,23,25,27)
     b <- c()
     for(i in 1:8){
     b[i] <- paste0("[", d[i-1], ",", d[i], ")")
     print(b)
     d<-c(13.15.17.19.21.23.25.27)
     b <- c()
     for(i in 1:7){
     b[i] <- paste0("[", d[i], ",", d[i+1], ")")
     print(b)
    d<-c(13.15.17.19.21.23.25.27)
    b <- c0
     for(i in 1:6)(
     b[i] -- pasteo("[", d[i], ",", d[i-1], ")")
```

Suppose the yearly rainfall for a city in southern California follows a normal distribution, with a mean of 18 inches and a standard deviation of 6 inches. For a randomly selected year, what is the probability that rainfall will be less than 10 inches?
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Select one:
0 0.90176
O 0.90456
O 0.87176
0.09176
0 0.29176
What is the R command used to obtain the five number summary?
that is the it command used to obtain the five number summary?
Select one:
O fivenumbersummary(variable)
O Snumbersummary(variable)
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Select one:
O database()
data.frame()
O , data()
O data.base()
O data.base()
Verbal SAT test scores X, for which the mean is 500 and the standard deviation is 100, assume to have a normal
distribution. Find the probability that verbal SAT test score is less than 650.
Select one:
• 0.93319
0.92576
0 0.98819
0 0.76319
O 0.88319

Suppose that an airline runs a commuter flight that holds 40 people. The airline knows that the weights of passenger plus luggage for typical customers on this flight has a mean of 210 pounds and a standard deviation of 8 pounds. What is the probability that the sample mean weight of passenger plus luggage is less than 208 pounds for a random sample of 40 customers? Select one: 0.05576 0.35075 0.05705 0.95705 0.07505 Suppose that p = 0.512 is the proportion of one-child families in which the child is a boy. For a random sample of n = 50one-child families, estimate the probability that no of families will be in between 15 and 24 with one boy using suitable Select one: 0.82547 0.77548 0.57248 0.27548 0 0,72548 Consider following probability density function $(f_{\chi}(x))$. $f_X(x) = \begin{cases} (1/4)x^3 ; 0 \le x \le 2 \\ 0 ; otherwise \end{cases}$ Find $E(X^2)$. Select one: -8/5 -8/3 8/5 7/3 8/3



Vehicle speeds at a certain highway location are assumed to have approximately a normal distribution with mean 60mph and standard deviation 6mph. The speeds for a randomly selected sample of n = 36 vehicles will be recorded. What is the probability that sample mean speed is not more than 58mph?

Select one:

- 0.20275
- 0.92274
- 0.03375
- 0.02275
- 0.82275

Consider following probability density function $(f_x(x))$.

$$f_{x}(x) = \begin{cases} (1/4)x^{3}; & 0 \le x \le 2\\ 0; otherwise \end{cases}$$

Find E(X).

- 8/5
- 0 8/9
- 0 -8/9
- 0 7/5
- 0 7/9

Selec	t one:
0	0.31716
0	0.62416
0	0.94216
0	0.83216
1	W772.10
0	import.csv ("filename.csv", header=TRUE)
0	
0	read.xlsx ("filename.csv", header=TRUE)
)	read.csv (filename.csv, header=TRUE)
)	read.csv ("filename.csv", header=TRUE)
	read.xlsx (filename.csv, header=TRUE)

	eed is not more than 58mph			
elect one:				
0.03375				
0.20275				
0.82275				
0.02275	B			
0.92274				
erbal SAT test scores X, for which				
0.93319				
0.76319				
0.88319				
0.88319				
0.88319				
0.88319 0.98819 0.92576 Suppose that p = 0.512 is the pro-	sportion of one child families in wi	nich the child is a boy. For a	andom sample of n = 50	one-child families
0.88319 0.98819 0.92576 Suppose that p = 0.512 is the pro-	oportion of one child families in wi	hich the child is a boy. For a one boy using suitable appr	andom sample of n = 50 oximation?	one-child families,
0.88319 0.98819 0.92576 Suppose that p = 0.512 is the pro- estimate the probability that the	oportion of one child families in with the 20 or fewer families with	nich the child is a boy. For a one boy using suitable appr	andom sample of n = 50 eximation?	one-child families,
0.88319 0.98819 0.92576 Suppose that p = 0.512 is the pro- estimate the probability that the	oportion of one child families in w re will be 20 or fewer families with	hich the child is a boy. For a one boy using suitable appr	random sample of n = 50 oximation?	one-child families,
0.88319 0.98819 0.92576 Suppose that p = 0.512 is the pro- estimate the probability that the	oportion of one child families in wire will be 20 or fewer families will	hich the child is a boy. For a one boy using suitable appr	andom sample of n = 50 eximation?	one-child families,
0.88319 0.98819 0.92576 Suppose that p = 0.512 is the prestimate the probability that the select one: 0.87493 0.08893 0.08893	oportion of one child families in w re will be 20 or fewer families with	hich the child is a boy. For a one boy using suitable appr	random sample of n = 50 oximation?	one-child families,
0.88319 0.98819 0.92576 Suppose that p = 0.512 is the proestimate the probability that the stimate the probability that the D.87493 0.08893	oportion of one-child families in w re will be 20 or fewer families with	hich the child is a boy. For a cone boy using suitable appr	random sample of n = 50 oximation?	one-child families,