Mod 8 homework

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6/25/17

SAT scores

1. The type of variable sat scores is quantitative discrete.
2. The proportion of students not accepted by school A is 0.2209.
3. The proportion of students accepted by school B is 0.938.
4. The score would be 506.158

Urban Deer Relocations

1. The proportion of deer with home ranges between 0.2 and 0.4 is 0.71.
2. The area is 0.91.
3. The area is 0.26.
4. The proportion is 0.28.
5. ?

R codes

Sat scores

library(NCStats)

> ( distrib(500,mean=550,sd=65))

[1] 0.2208782

> ( distrib(650,mean=550,sd=65))

[1] 0.9380321

> ( A<- distrib(500, mean = 550,sd=65))

[1] 0.2208782

> ( B<- distrib(650, mean = 550,sd=65))

[1] 0.9380321

> B-A

[1] 0.7171539

deer

> distrib(0.25,mean=550,sd=65,type="q")

> A<- distrib(0.2,mean=0.30,sd=0.095)

> B<- distrib(0.4,mean=0.30,sd=0.095)

> B-A

[1] 0.7074901

> distrib(0.32,mean=0.30,sd=0.095)

> distrib(0.17,mean=0.30,sd=0.095,lower.tail = FALSE)

> distrib(0.32,mean=0.30,sd=0.095,type="q")

> distrib(0.4,mean=0.30,sd=0.095,type="q")

> A<- distrib(0.48,mean=0.30,sd=0.095,type="q")

I have neither given nor received unauthorized aid in completing this work, nor have I presented someone else's work as my own.