**INPUT:**

#load the truncnorm package

library(truncnorm)

#Set the paramters

mean\_val <-500

sd\_val <- 100

lower\_limit <- 200

upper\_limit <- 800

num\_participants <- 80

reaction\_times <- rtruncnorm(n=num\_participants,a=(lower\_limit-mean\_val)/sd\_val,

b=(upper\_limit-mean\_val)/sd\_val,mean = mean\_val,sd = sd\_val)

#View the generated reaction times

print(reaction\_times)

**OUTPUT:**

> print(reaction\_times)

[1] -2.780055215 1.848619692 1.934054276 -0.434416283 -2.511463171 -1.523975004

[7] 0.037911296 1.448137659 0.825836421 1.525591280 -1.654628640 -0.390611721

[13] 2.428185575 1.284835568 0.329999506 -1.085541382 1.228920680 1.535331235

[19] -1.777964983 0.094480732 -0.897509620 1.641183605 -2.433326445 -1.459370426

[25] 2.846884288 -1.115505286 -2.087517925 -0.575084249 -1.206117419 -0.562039399

[31] 2.496260206 1.015005230 1.426661844 2.992410954 -2.111664869 0.191977664

[37] 1.453985760 -1.308533653 1.662775938 -2.781202592 0.258234057 -2.107933707

[43] -2.604471433 2.332030936 -0.944685751 2.138300530 2.821871758 0.349664257

[49] 2.112856868 0.182500415 2.477690705 2.428960377 2.761788747 -0.927392327

[55] 0.709609800 -1.823121287 1.042745599 0.651730499 0.060052961 2.516998006

[61] -1.610356387 -1.948184586 -1.090378324 -0.523512627 2.927672939 2.375454538

[67] -0.682488599 -0.008813962 0.322290776 -2.888432174 -2.000235904 -0.866709614

[73] -1.283389722 -2.508031824 1.781391841 -1.602656310 -0.351075552 -0.247535908

[79] -2.676845490 -2.875480687