**INPUT :**

#Dataset of agricultural areas

areas <- c(65.7,15.6,17.6,14,22.2,13.3,34.1,6.12,10.6,130,50.84,54.10,57.36,60.62,63.88,67.13,70.39,73.65,76.91,80.17)

#Calculate the probabilities based on size

probs <- areas/sum(areas)

#set the sample size

n<-5

#perform PPS Sampling with replacemeent

sampled\_units <- sample(1:length(areas),n,replace=TRUE,prob=probs)

#retrive the selected units

selected\_areas <- areas[sampled\_units]

#display the units

selected\_areas

**OUTPUT :**

> selected\_areas

[1] 130.00 65.70 80.17 70.39 76.91