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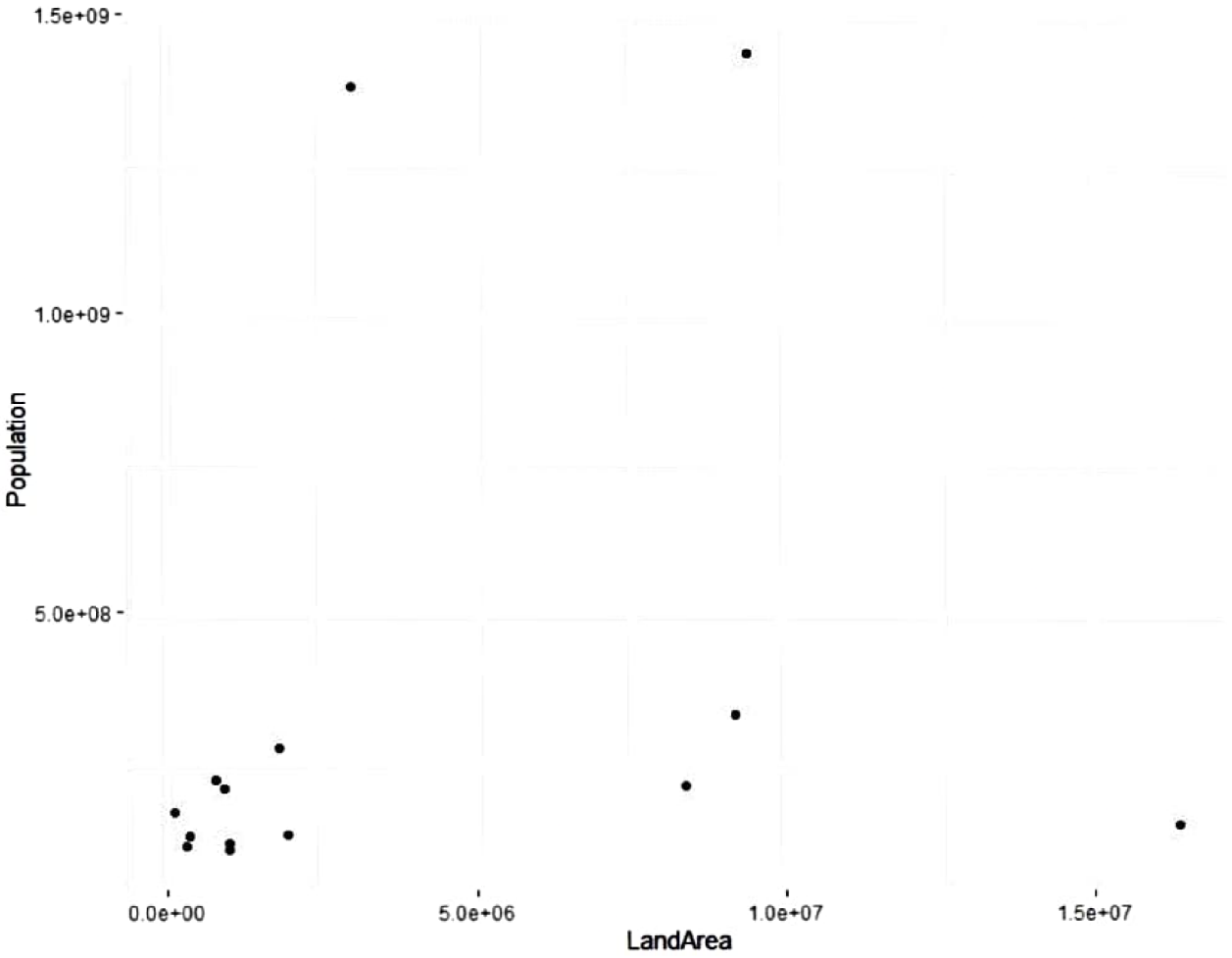
R 4.1.1 · D:/population/

>
> setwd("D:/population")
> library(dplyr)
> popdata<-read.csv("pop.csv")
> popdata
         Country Population YearlyChange NetChange Density.P.KmÂ². LandArea Migrants Fert.Rate Med.Age UrbanPopulation WorldShare
1          China 1440297825        0.39%   5540090              153   9388211  -348399        1.7       38             61%      18.47%
2          India 1382345085        0.99%  13586631              464   2973190  -532687        2.2       28             35%      17.70%
3  United States  331341050        0.59%   1937734               36   9147420   954806        1.8       38             83%       4.25%
4      Indonesia  274021604        1.07%   2898047              151   1811570   -98955        2.3       30             56%       3.51%
5       Pakistan  221612785        2.00%   4327022              287    770880  -233379        3.6       23             35%       2.83%
6         Brazil  212821986        0.72%   1509890               25   8358140    21200        1.7       33             88%       2.73%
7        Nigeria  206984347        2.58%   5175990              226    910770   -60000        5.4       18             52%       2.64%
8     Bangladesh  164972348        1.01%   1643222             1265    130170  -369501        2.1       28             39%       2.11%
9         Russia  145945524        0.04%     62206                9  16376870   182456        1.8       40             74%       1.87%
10        Mexico  129166028        1.06%   1357224               66   1943950   -60000        2.1       29             84%       1.65%
11         Japan  126407422       -0.30%   -383840              347    364555    71560        1.4       48             92%       1.62%
12      Ethiopia  115434444        2.57%   2884858              115   1000000    30000        4.3       19             21%       1.47%
13   Philippines  109830324        1.35%   1464463              368    298170   -67152        2.6       26             47%       1.41%
14         Egypt  102659126        1.94%   1946331              103    995450   -38033        3.3       25             43%       1.31%
> names(popdata)
 [1] "Country"         "Population"      "YearlyChange"    "NetChange"       "Density.P.KmÂ²." "LandArea"        "Migrants"
 [8] "Fert.Rate"       "Med.Age"         "UrbanPopulation" "WorldShare"
> min(popdata$Population)
[1] 102659126
> max(popdata$Population)
[1] 1440297825
> min(popdata$LandArea)
[1] 130170
> max(popdata$LandArea)
[1] 16376870
> mean(popdata$Population)
[1] 354559993
> median(popdata$Population)
[1] 185978348
> quantile(popdata$Population, 0.75)
      75%
260919399
> sd(popdata$Population)
[1] 452733983
> var(popdata$Population)
[1] 2.049681e+17
> str(popdata)
'data.frame':   14 obs. of  11 variables:
 $ Country         : chr  "China" "India" "United States" "Indonesia" ...
 $ Population      : int  1440297825 1382345085 331341050 274021604 221612785 212821986 206984347 164972348 145945524 129166028 ...
 $ YearlyChange    : chr  "0.39%" "0.99%" "0.59%" "1.07%" ...
 $ NetChange       : int  5540090 13586631 1937734 2898047 4327022 1509890 5175990 1643222 62206 1357224 ...
 $ Density.P.KmÂ².: int  153 464 36 151 287 25 226 1265 9 66 ...
 $ LandArea        : int  9388211 2973190 9147420 1811570 770880 8358140 910770 130170 16376870 1943950 ...
 $ Migrants        : int  -348399 -532687 954806 -98955 -233379 21200 -60000 -369501 182456 -60000 ...
 $ Fert.Rate       : num  1.7 2.2 1.8 2.3 3.6 1.7 5.4 2.1 1.8 2.1 ...
 $ Med.Age         : int  38 28 38 30 23 33 18 28 40 29 ...
 $ UrbanPopulation: chr  "61%" "35%" "83%" "56%" ...
 $ WorldShare      : chr  "18.47%" "17.70%" "4.25%" "3.51%" ...
> dim(popdata)
[1] 14 11
> summary(popdata)
   Country            Population        YearlyChange         NetChange        Density.P.KmÂ².      LandArea           Migrants
```

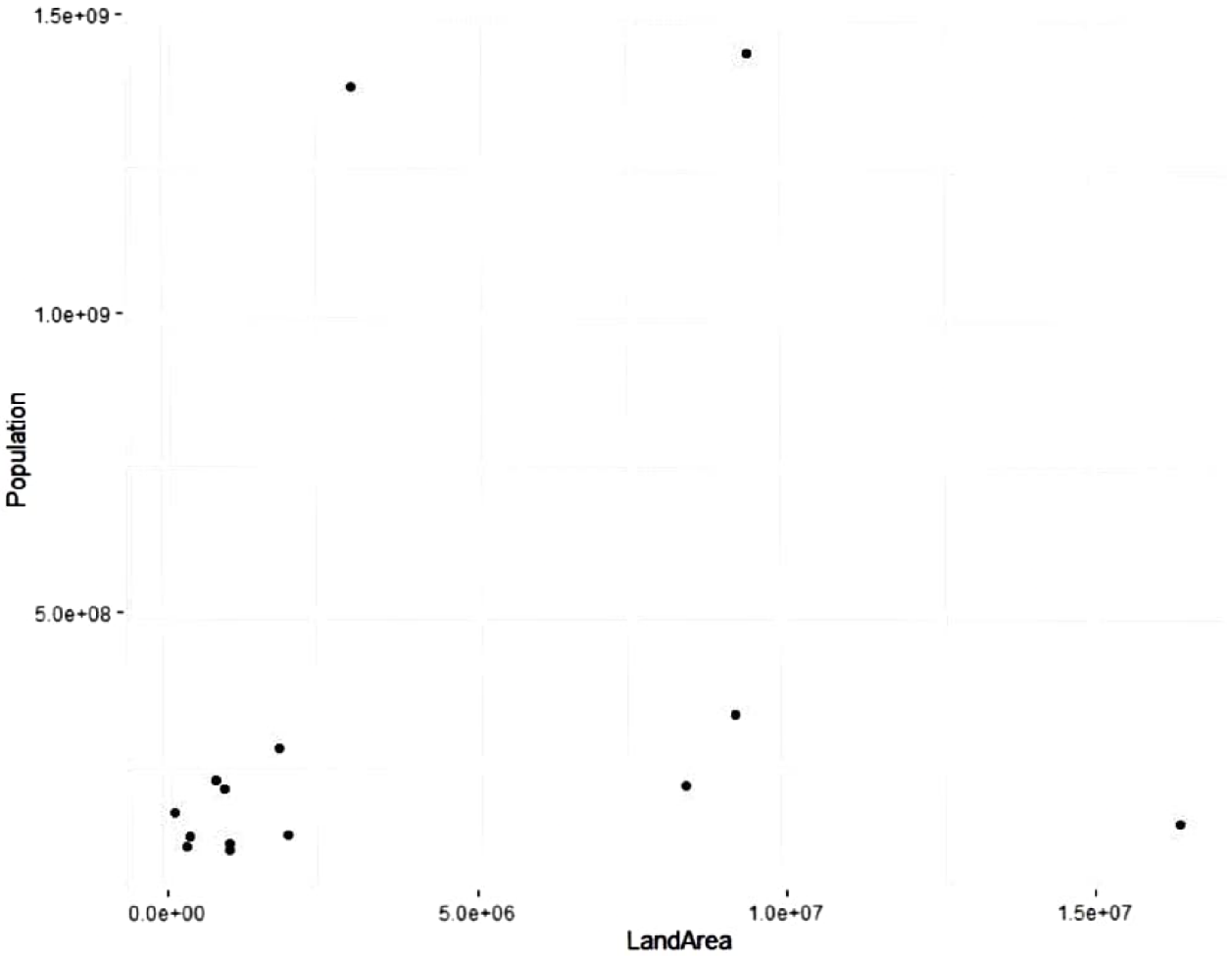
SCATTER PLOTTING

ggplot(popdata, aes(x =LandArea, y =Population)) +geom_point()



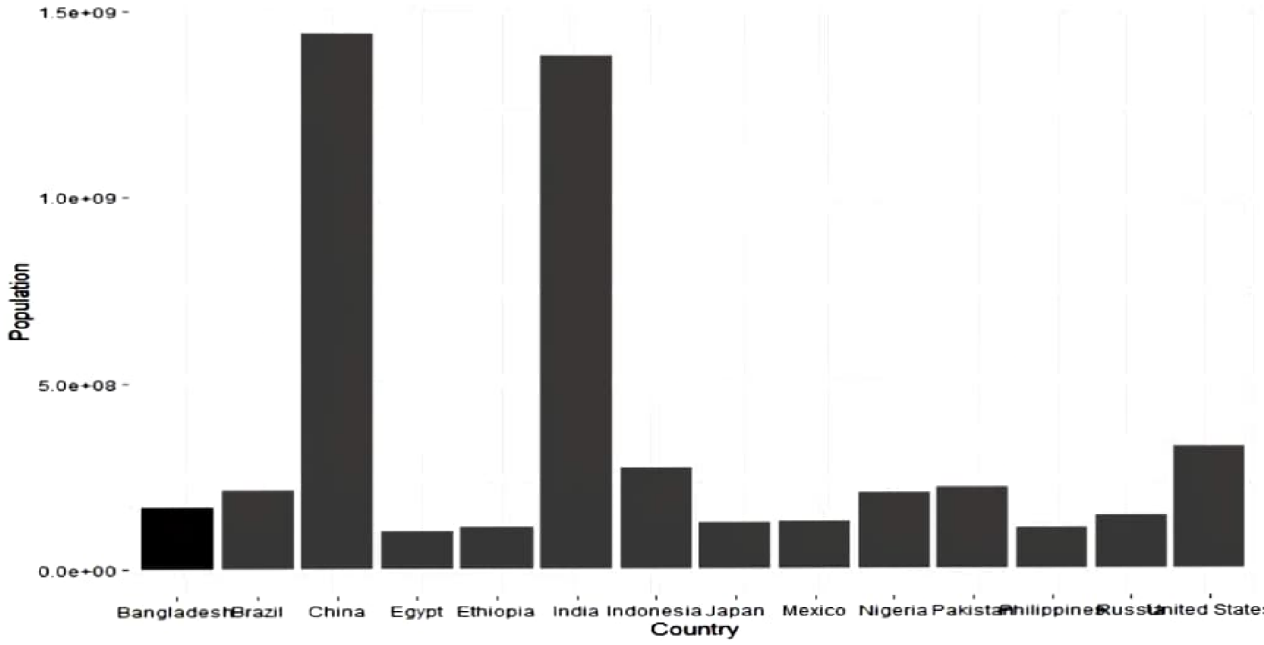
SCATTER PLOTTING

ggplot(popdata, aes(x =LandArea, y =Population)) +geom_point()



BARGRAPH PLOT

ggplot(popdata, aes(y=Population, x=Country)) + geom_bar(stat ="identity



PIE-CHART PLOT

ggplot(popdata, aes(y="",fill=Country, x=Population)) +geom_bar(width = 1, stat = "identity") +coord_polar("x", start=0)