Machine Learning - Assignment 1

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2022-09-15

Laya_dataset <- read.csv("C:/Users/gauth/OneDrive/Desktop/Kent State University/volcanic-eruptions.csv" #Following is the dataset that has been imported. The dataset represents Volcanic eruptions by countrie View(Laya_dataset)

mean(Laya_dataset\$Latitude)

[1] 15.38975

sd(Laya_dataset\$Latitude)

[1] 25.80702

 $\textit{\# The above values represent descriptive statistics for a selection of quantitative \ \textit{variables}. \ \textit{The above values represent descriptive statistics} } \\$

table(Laya_dataset\$Location)

Admiralty Ts-SW Paci	Africa-C	Africa-E
J		5
=	•	Alaska-E
		2
Alaska-SW	Alaska Peninsula	Aleutian Is
6	3	8
Antarctica	Arabia-S	Arabia-W
1	2	1
Azores	Banda Sea	Bougainville-SW Paci
6	10	3
Canada	Canary Is	Cape Verde Is
1	4	3
Chile-C	Chile-Is	Chile-S
9	1	9
China-E	China-S	Colombia
1	1	10
Costa Rica	Ecuador	El Salvador
6	22	6
Galapagos	Greece	Guatemala
1	8	19
Halmahera-Indonesia	Hawaiian Is	Hokkaido-Japan
17	20	17
	Antarctica 1 Azores 6 Canada 1 Chile-C 9 China-E 1 Costa Rica 6 Galapagos 1 Halmahera-Indonesia	Africa-NE Africa-W

```
##
            Honshu-Japan
                                     Iceland-NE
                                                             Iceland-S
##
                       51
                                                                     33
                                              16
##
              Iceland-SE
                                     Iceland-SW
                                                            Indian O-W
                                                                      7
##
                        3
                                               1
##
               Indonesia
                                          Italy
                                                          Izu Is-Japan
                        8
##
                                              57
                                                                     19
##
                     Java
                                      Kamchatka
                                                           Kermadec Is
                                              14
##
                     101
                                                                      2
##
                Kuril Is
                                   Kyushu-Japan
                                                      Lesser Sunda Is
                                              44
##
                        6
##
              Luzon-N of
                             Luzon-Philippines Mariana Is-C Pacific
                                              35
                                                                      2
##
                        1
                  Mexico Mindanao-Philippines
##
                                                   New Britain-SW Pac
##
                       12
                                                                     12
##
              New Guinea
                              New Guinea-NE of
                                                           New Zealand
##
                        2
                                              19
##
                                           Peru
                                                         Philippines-C
               Nicaragua
##
                        7
                                               4
                                                                      1
##
                 Red Sea
                                      Ryukyu Is
                                                     Samoa-SW Pacific
##
                                                                      3
##
   Sangihe Is-Indonesia Santa Cruz Is-SW Pac
                                                               SE Asia
                       21
   Solomon Is-SW Pacifi
                            Sulawesi-Indonesia
                                                               Sumatra
##
                                               6
##
             Taiwan-E of
                              Tonga-SW Pacific
                                                              Trinidad
##
                        1
                                               4
                                                                      1
##
                                      US-Oregon
                                                         US-Washington
                  Turkey
                                                                      2
##
                        1
                                               2
##
                                                              W Indies
              US-Wyoming
                            Vanuatu-SW Pacific
##
                        1
                                              17
                                                                     17
```

str(Laya_dataset\$Country)

```
## chr [1:822] "United States" "United States" "Greece" "United States" ...
```

The above values represent categorical descriptive analysis of the variables.

Layadataset_Trasnformed = (Laya_dataset\$Latitude - mean(Laya_dataset\$Latitude)/sd(Laya_dataset\$Latitude Layadataset_Trasnformed

```
##
          55.57366024 56.28366024
                                     35.80766024
                                                   59.88366024 -39.41633976
     [1]
                                                  -1.27333976 -29.86633976
##
     [6]
          -6.17633976
                       14.53366024
                                     -2.06333976
          35.80766024
##
    Γ117
                       -2.97633976
                                     37.13766024
                                                  52.82366024
                                                                11.64566024
##
    [16]
          35.80766024 -16.84633976
                                     60.78366024
                                                   40.22466024
                                                                15.03366024
    [21] -39.41633976
                       51.20366024
                                     58.77366024
                                                   -6.69833976
                                                                13.07566024
    [26]
         15.03366024
                                                   -5.65233976
                                                                -4.86733976
##
                       13.13966024
                                     26.48366024
##
    Γ317
          -6.17633976
                       30.98366024
                                     30.98366024
                                                  40.22466024
                                                                60.78366024
##
    [36]
          63.03366024
                       20.52866024
                                     63.03366024
                                                   63.03366024
                                                                41.38366024
                                     63.33366024
##
    [41]
          35.80766024
                       63.38366024
                                                   63.38366024
                                                                37.13766024
          37.13766024
##
    [46]
                       63.03366024
                                     63.38366024
                                                    8.37866024
                                                                63.03366024
##
    [51]
          -1.44633976
                       63.38366024
                                     40.13366024
                                                   63.03366024
                                                                -8.52633976
    [56]
          37.13766024 37.13766024
                                                  -8.52633976
                                     32.28366024
                                                               63.38366024
```

```
[61]
          63.03366024
                        63.40366024
                                      16.76366024
                                                                   -8.52633976
##
                                                     -8.52633976
##
    [66]
          63.38366024
                        36.52366024 -17.42533976
                                                     30.98366024
                                                                   64.03366024
##
    [71]
           32.28366024
                        63.03366024
                                       63.38366024
                                                     63.38366024
                                                                   37.13766024
    [76]
##
           40.23066024
                        58.77366024
                                       1.08366024
                                                     0.77866024
                                                                   13.78466024
##
    [81]
          31.33366024
                        -9.72633976
                                      11.22966024
                                                     18.91766024
                                                                   38.05366024
##
    [86]
          63.03366024
                        -6.68833976
                                       13.87666024
                                                     -8.52633976
                                                                   -8.13833976
##
    [91]
          18.91766024
                        -8.72133976
                                       4.29866024
                                                     35.80366024
                                                                   63.38366024
##
    [96]
           -8.72133976
                        35.80366024
                                       -5.12133976
                                                   -17.20433976
                                                                   32.53366024
##
   [101]
           0.20366024
                        24.72366024
                                       -5.12133976
                                                     13.87666024
                                                                   63.03366024
##
   [106]
          63.82366024
                        37.17366024
                                       10.68366024
                                                     40.22466024
                                                                   63.38366024
##
   [111]
           -8.72133976
                        41.47366024
                                       -2.06333976
                                                     -0.27633976
                                                                   35.80766024
   [116]
##
           13.13966024
                        -7.51633976
                                       -7.51633976
                                                     63.03366024
                                                                   -5.95433976
##
   [121]
          41.93366024
                        32.15366024
                                       27.25366024
                                                     37.13766024
                                                                   37.13766024
   [126]
                        38.00366024
                                                      0.77866024
##
         -15.99633976
                                       -8.13833976
                                                                   27.98366024
   [131]
           13.42366024
                        40.22466024
                                       63.82366024
                                                     40.22466024
                                                                   -7.72633976
   [136]
           -6.89633976
                        37.13766024
                                       63.38366024
                                                     -5.12133976
                                                                   40.22466024
   [141]
##
          -7.48833976
                        -1.27333976
                                       27.67466024
                                                     35.80766024
                                                                   34.75366024
   [146]
           3.07366024
                        64.03366024
                                       40.22466024
                                                     -8.52633976
                                                                   13.40566024
   [151]
          64.03366024
                        31.33366024
                                      31.33366024
                                                     64.03366024
                                                                   13.87666024
##
##
   [156]
          37.87366024
                        63.03366024
                                      35.80366024
                                                     64.03366024
                                                                   63.40366024
##
   [161]
          64.03366024
                        65.13366024
                                       28.43366024
                                                     -8.72133976
                                                                  54.52366024
   [166]
##
          40.22466024
                        40.90366024
                                       -1.27333976
                                                     -1.27333976
                                                                   13.40566024
   [171]
          63.82366024
                        13.40566024
                                       63.03366024
                                                     38.05366024
                                                                   -0.27633976
##
##
   [176]
          55.46066024
                        63.38366024
                                       12.66066024
                                                     -1.27333976
                                                                    0.20366024
##
   [181]
           -7.91633976
                          0.20366024
                                       0.20366024
                                                      0.76166024
                                                                   47.69566024
   [186]
          40.22466024
                        30.98366024
                                       30.98366024
                                                     31.85366024
                                                                   30.98366024
   [191]
##
           30.98366024
                        30.98366024
                                       35.80366024
                                                     63.82366024
                                                                 -16.37633976
   [196]
##
          19.09566024
                        31.85366024
                                       -7.79633976
                                                     34.13366024
                                                                   18.82866024
   [201]
##
          32.15366024
                        40.22466024
                                       38.05366024
                                                     -7.72633976
                                                                   12.66066024
##
   [206]
          -9.82633976
                        45.60366024
                                       19.09566024
                                                     38.48366024
                                                                   35.80366024
   [211]
##
           35.80366024
                        42.10366024
                                       40.22466024
                                                     12.73366024
                                                                    3.07366024
##
   [216]
          40.22466024
                        12.66066024
                                       -8.84633976
                                                     32.28366024
                                                                   -8.65433976
##
   [221]
           -8.72133976
                        18.91766024
                                       19.07366024
                                                     53.92366024
                                                                   -5.12133976
   [226]
          41.93366024
                        -7.84633976
                                       -8.13833976
                                                                   54.15366024
##
                                                     18.82866024
   [231]
           -6.42633976
                        -8.52633976
                                       -7.79633976
                                                     32.28366024
                                                                   52.65866024
                                                     -8.13833976
##
   [236]
          52.65866024
                        -7.72633976
                                      37.13766024
                                                                   -4.11633976
   [241]
          12.38366024
                        -5.12133976
                                       4.31766024
                                                      0.20366024 -34.21633976
   [246]
                        18.82866024
##
           0.20366024
                                      39.10366024
                                                     -9.72633976 -10.97633976
   [251]
##
          29.83366024
                        16.77366024
                                       15.45366024
                                                     -8.59633976
                                                                   37.13766024
   [256]
##
           0.51166024
                          4.29866024
                                       63.38366024
                                                   -39.41633976
                                                                  -7.36633976
   [261]
          41.20366024
                        14.35366024
                                       -7.79633976
                                                     -8.52633976
                                                                   -4.86733976
   [266]
                                       23.40366024
         -16.19633976
                        12.66066024
                                                     56.05666024
                                                                   32.28366024
##
   [271]
          50.26166024
                          3.07366024
                                      54.15366024
                                                     41.47366024
                                                                   -6.18533976
   [276]
##
          12.66066024
                        35.97366024
                                       35.97366024
                                                     -8.70433976
                                                                  13.87666024
   [281]
##
          63.82366024
                        12.98366024
                                      63.82366024
                                                     -0.27633976 -20.11633976
   [286]
##
          -8.52633976
                        35.80766024
                                     -14.77133976
                                                     37.55366024
                                                                   18.87866024
##
   [291]
          37.13766024
                        -9.12633976
                                      -8.59633976
                                                      1.68366024
                                                                   -9.13633976
   [296]
         -15.99633976
                          1.68366024
                                       8.60666024
                                                      0.20366024
                                                                   12.66066024
   [301]
          -8.13833976
                        -8.13833976
                                      40.22466024
                                                     -8.13833976
                                                                   32.28366024
   [306]
          48.27866024
                         7.07366024
                                      40.22466024
                                                     33.48366024
                                                                   13.40566024
##
   [311]
          -8.52633976
                        64.43366024
                                       12.66066024
                                                     18.87866024
                                                                   -1.27333976
   [316] -20.11633976
                        -4.86733976 -20.11633976
                                                     52.82366024
                                                                   38.19266024
  [321] -12.34633976
                        -6.69833976
                                      58.77366024
                                                                  -6.73633976
                                                     -6.69833976
## [326]
          -6.69833976
                        -8.70433976
                                       1.72366024
                                                    -2.06333976 -38.71633976
```

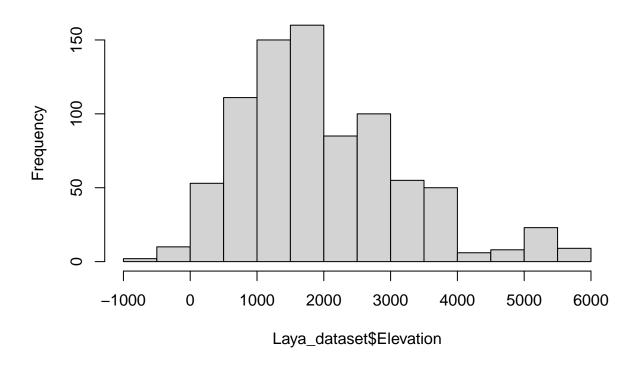
```
[331] -16.19633976
                        12.66066024
                                      -6.11633976
                                                    37.00366024
                                                                   2.54166024
                        -9.79633976
##
   [336]
          -0.27633976
                                                     3.07366024 -20.34633976
                                       0.08966024
   [341] -41.92233976
                        37.13366024 -16.84633976
                                                    -8.70433976
                                                                  -5.24533976
   [346]
          31.33366024
                        -5.65233976
                                      31.33366024
                                                   -10.97633976
                                                                  12.66066024
##
   [351]
           0.87366024
                        -4.69633976
                                      35.80366024
                                                    31.33366024
                                                                  37.02366024
   [356]
##
           7.56166024
                        -8.52633976 -17.27633976
                                                    14.22366024
                                                                  12.73366024
   [361]
          14.22366024
                        14.22366024
                                      29.88366024
                                                    14.22366024
                                                                  14.15966024
##
   [366]
          -8.13833976
                       -38.71633976 -12.34633976
                                                   -12.34633976
                                                                  40.22466024
   Γ371]
         -14.20833976
                        40.22466024 -21.97633976
                                                    12.28366024
                                                                  -9.12633976
##
   [376]
         -14.20833976
                         3.60666024
                                      -8.70433976 -39.41633976
                                                                  41.93366024
   [381]
          13.40566024
                        35.80366024
                                      35.80366024
                                                     9.40366024
                                                                  -8.70433976
##
   [386]
          57.67366024
                        -2.00433976
                                      18.91766024
                                                     3.07366024
                                                                  35.80366024
##
   [391]
          -8.70433976 -16.84633976
                                      30.98366024
                                                    -6.17633976 -38.11633976
   [396] -15.99633976
                        -2.06333976
                                      38.19266024
                                                    -3.34733976 -38.71633976
   [401] -41.92233976
                        13.13966024
                                       2.54166024
                                                    63.03366024
                                                                  18.42666024
   [406]
           2.54166024
                        -8.52633976
                                      38.19266024
                                                    36.52366024
                                                                  18.87866024
##
   [411]
          -8.13833976
                                      36.52366024
                                                     9.56166024
                        13.21666024
                                                                  -7.91633976
   [416]
          -7.36633976
                        31.33366024
                                      18.82866024
                                                    42.82366024
                                                                  -8.91633976
   [421]
          63.67366024
                        35.80766024
                                      12.66066024
                                                    -6.69833976
                                                                  -7.79633976
##
##
   [426]
          -8.91633976
                        37.13766024
                                     -41.92233976
                                                    41.47366024
                                                                  37.13766024
##
   [431]
          14.15966024
                        -6.69833976
                                      35.80366024
                                                    38.19266024
                                                                  -8.13833976
   [436]
##
          35.80366024
                        13.87666024
                                      -8.13833976
                                                    36.02366024
                                                                  48.52366024
   [441]
          34.62366024
                        29.83366024
                                      12.17366024
                                                    44.77766024
##
                                                                  35.80366024
##
   [446]
         -39.28833976
                        -4.86733976
                                      -2.00433976
                                                    37.00366024
                                                                  12.66066024
##
   [451]
          35.80366024
                        11.70366024
                                      29.88366024
                                                    -7.79633976
                                                                   2.18366024
   [456]
          33.48366024
                        -3.34733976
                                      35.80366024
                                                    -8.70433976
                                                                  18.88366024
   [461]
##
          -1.49633976
                        40.22466024
                                      52.22366024
                                                    41.93366024
                                                                  38.19266024
##
   [466]
          41.93366024
                        -7.79633976
                                      30.98366024
                                                    -8.70433976
                                                                  -8.70433976
   [471]
##
          47.49566024
                        12.66066024
                                      35.80366024
                                                    35.93366024
                                                                  63.38366024
                                                                  -8.70433976
   [476]
          -9.13633976 -40.01633976
                                       1.72366024
                                                     8.60666024
##
   [481]
           8.60666024
                        35.80366024
                                      -9.54633976
                                                    12.38366024
                                                                  -8.52633976
##
   [486]
          34.62366024
                         8.60666024
                                      -9.61633976
                                                    34.62366024
                                                                  31.50366024
##
   [491]
          31.50366024
                        31.50366024
                                      31.50366024
                                                    16.72366024
                                                                  31.50366024
   [496]
                                                                  -9.10633976
          -8.13833976
                        31.50366024
                                      32.28366024
                                                    -2.97633976
##
   [501]
          34.62366024
                        34.13366024
                                     -39.87633976
                                                    38.19266024
##
                                                                  35.97366024
   [506]
##
          -4.19633976
                         8.60666024 -40.94633976
                                                    30.98366024
                                                                  55.38166024
   [511]
          52.53366024
                        32.15366024
                                      34.13366024
                                                    32.28366024
                                                                   0.76166024
   [516]
          43.08366024 -17.42533976 -41.18633976
                                                   -41.92233976
##
                                                                  35.97366024
   [521]
##
          -8.13833976
                        43.08366024
                                      35.80366024
                                                    42.82366024
                                                                  -8.13833976
##
   [526]
           0.20366024
                         9.38266024
                                      -8.93833976
                                                    -8.70433976
                                                                  -8.93833976
   [531] -40.01633976
                        -8.83833976
                                      13.87666024
                                                     9.38266024
                                                                  -8.91633976
   [536]
         -40.01633976
                        -7.79633976
                                      13.40566024
                                                    11.70366024
                                                                 -10.97633976
##
   [541]
          -8.52633976
                         3.07366024
                                      -3.34733976
                                                    -3.34733976
                                                                  -8.70433976
   [546] -63.56633976
##
                        12.66066024
                                       9.86666024
                                                    -8.13833976
                                                                  -9.47633976
   [551]
          18.48066024
                        38.13366024
                                      40.23066024
                                                    63.38366024 -46.49633976
   [556] -10.97633976
                        13.87666024
                                      27.98366024
                                                   -40.01633976
                                                                  36.02366024
##
   [561] -21.82533976
                        34.62366024
                                      -6.11633976
                                                    62.83366024
                                                                  -8.91633976
   [566] -46.49633976
                        -9.13633976
                                       2.18366024
                                                    30.98366024
                                                                  36.32366024
   [571]
          30.98366024
                        13.87666024
                                      -6.11633976
                                                    -8.13833976
                                                                  -0.97733976
   [576]
           9.86666024
                        18.82866024
                                      36.02366024
                                                    -2.62633976
                                                                  -8.70433976
   [581]
##
           2.18366024
                        -8.13833976
                                      -2.11633976
                                                   -12.34633976
                                                                  65.13366024
   [586]
          55.46066024
                        41.93366024
                                      41.93366024
                                                    12.17366024
                                                                  14.15966024
   [591]
          -8.70433976
                                      -7.79633976
                                                    -5.24533976
                                                                  12.73366024
##
                        -7.36633976
  [596]
          37.13766024
                        -9.13633976
                                      32.28366024
                                                   45.60366024
                                                                  63.38366024
```

```
## [601]
          44.77766024
                        37.13766024
                                      -8.70433976
                                                    50.26166024
                                                                 -8.70433976
   [606]
##
          12.66066024
                        -8.91633976
                                      52.08366024
                                                    16.76366024
                                                                 16.76366024
   [611]
                        16.76366024
          -7.84633976
                                      55.46066024
                                                    -0.76633976
                                                                 -9.13633976
   [616]
##
          33.48366024
                         5.65366024
                                      12.66066024
                                                    35.30366024
                                                                 37.13766024
                                                    39.37366024
##
   [621]
          -8.70433976
                         4.29866024
                                      37.13766024
                                                                 38.19266024
   [626]
##
           5.65366024
                        -8.13833976
                                      34.13366024
                                                    13.78466024
                                                                 37.13766024
  [631]
##
          -9.10633976
                        -5.12133976
                                       9.86666024
                                                    -8.70433976 -38.97333976
## [636]
                        32.28366024
                                                    56.05666024
          39.37366024
                                      31.33366024
                                                                 -8.52633976
##
   [641]
          32.28366024
                        32.28366024 -16.37633976
                                                    -4.86733976
                                                                 14.15966024
   [646]
##
          32.28366024
                        -2.11633976
                                      -8.52633976
                                                    32.15366024
                                                                 14.53366024
##
   [651]
          51.85666024 -12.34633976 -46.49633976
                                                     0.76166024
                                                                 37.13766024
   [656]
                                                                 -0.97733976
##
           2.18366024
                        -7.79633976
                                      11.90966024
                                                     2.18366024
##
   [661]
          14.53366024
                        60.70366024
                                      -8.70433976
                                                     0.62366024
                                                                 -7.72133976
   [666]
          12.66066024
                                      18.82866024
                                                    -6.69833976
##
                        -0.76733976
                                                                 32.15366024
  [671]
          14.53366024
                                                    -8.70433976
##
                        14.53366024 -20.11633976
                                                                 32.28366024
##
   [676]
           2.32366024
                        -4.86733976
                                      -9.01633976
                                                    -8.13833976
                                                                -20.11633976
   [681]
##
          35.62366024
                        14.35366024
                                      13.78466024
                                                    -9.35433976
                                                                   5.52366024
##
   [686]
          53.45366024
                        18.42666024
                                       9.81566024
                                                    10.84966024
                                                                 63.82366024
   [691]
                                       2.18366024
##
          -4.69633976
                        -8.13833976
                                                    16.12366024
                                                                 40.05366024
##
   [696]
          16.12366024
                        -8.70433976
                                      37.02366024
                                                    32.28366024
                                                                 16.12366024
##
  [701]
          18.82866024
                        -8.52633976
                                      12.10566024
                                                    16.12366024
                                                                 13.87666024
## [706]
          56.05666024
                        -0.76733976
                                      -2.06333976
                                                    33.48366024
                                                                 -8.70433976
## [711]
           9.86666024
                        18.82866024
                                      -8.13833976
                                                    37.13766024
                                                                 37.13766024
## [716]
                                       2.18366024
          -8.13833976
                        38.19266024
                                                    -2.11633976
                                                                 37.13766024
## [721]
          -0.67433976
                        38.19266024
                                      -8.70433976
                                                    16.12366024
                                                                 -9.26633976
  [726]
          -8.53833976
                        -4.69633976
                                      -4.69633976
                                                    13.25666024 -12.34633976
   [731]
         -29.86633976
                        16.12366024
                                      12.17366024
                                                                 -2.06333976
##
                                                    -8.13833976
   [736]
##
          -2.06333976
                        12.66066024
                                      -4.69633976
                                                     2.32366024
                                                                 -7.31633976
                                                    -2.06333976
## [741]
          15.10366024 -43.42933976
                                      51.58366024
                                                                   2.32366024
## [746]
          59.88366024
                        18.82866024
                                      -2.06333976
                                                    63.03366024
                                                                 13.78466024
## [751]
          16.11166024
                         2.18366024
                                       2.57366024
                                                    -8.13833976
                                                                 -2.06333976
##
   [756]
          -8.53833976
                        -8.13833976
                                      31.33366024
                                                    12.17366024
                                                                   2.18366024
##
  [761]
          -2.06333976 -41.18633976
                                      12.77366024
                                                    63.03366024
                                                                   0.76166024
   [766]
##
           0.20366024
                        18.82866024
                                      18.82866024
                                                    55.23366024
                                                                 -8.13833976
   [771]
          -8.91633976
                        12.66066024
                                      -8.91633976
                                                   -16.95133976
                                                                 30.98366024
##
  [776]
           2.57366024 -38.71633976
                                       2.57366024
                                                    -8.52633976
                                                                 35.30366024
## [781]
          18.82866024
                        14.35366024
                                       0.20366024
                                                     2.57366024 -41.92233976
## [786]
                                       2.57366024 -38.71633976
           2.18366024
                        -4.69633976
                                                                   2.57366024
                                      -9.01633976
## [791]
           2.57366024
                        43.83366024
                                                    32.28366024
                                                                 37.13766024
## [796]
           2.57366024
                        13.87666024
                                      -7.79633976
                                                    40.23066024 -15.99633976
  [801]
          -8.13833976
                         2.57366024
                                      -4.21633976
                                                    12.66066024
                                                                 36.02366024
   [806]
          18.82866024
                        -4.21633976
                                      -8.65433976 -15.99633976
                                                                 18.82866024
##
   [811]
          13.87666024
                        18.82866024
                                      -4.69633976 -16.84633976
                                                                 -6.69833976
##
   [816]
          37.13766024
                        -4.69633976
                                       2.57366024 -5.64633976
                                                                 -4.69633976
## [821]
          38.19266024
                        38.19266024
```

#Transformation of variables has been done above.

hist(Laya_dataset\$Elevation)

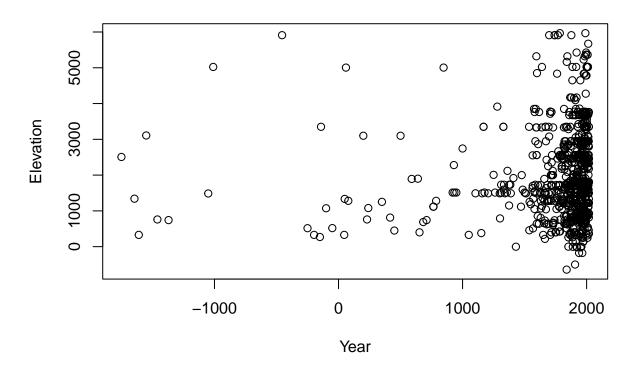
Histogram of Laya_dataset\$Elevation



#The above graphical representation is a histogram. The selected variable is the Elevation.

```
x <- Laya_dataset$Year
y <- Laya_dataset$Elevation
plot(x,y, main = "Year and Elevation", xlab = "Year",ylab = "Elevation")</pre>
```

Year and Elevation



 $\hbox{\it \#The above graphical representation is a scatterplot.}\\ \hbox{\it \#The selected variables are Year and Elevation}$