Module 5 Assignment 2: Other Distance-based Sampling

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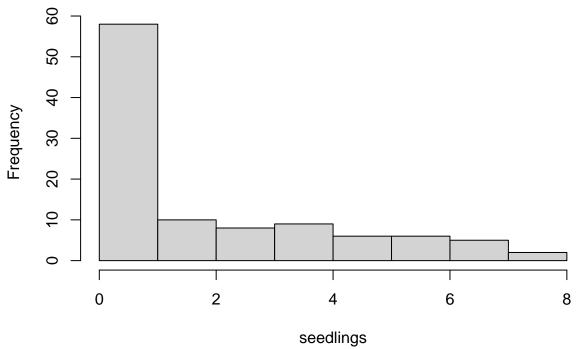
```
## Rows: 8 Columns: 5
## -- Column specification ------
## Delimiter: ","
## dbl (5): Point, NE, SE, SW, NW
##
## i Use 'spec()' to retrieve the full column specification for this data.
## i Specify the column types or set 'show_col_types = FALSE' to quiet this message.
  2.
## # A tibble: 6 x 5
## Point NE SE
    <dbl> <dbl> <dbl> <dbl> <dbl> <
       1 7
## 1
                7.5
                     9.3 13.9
## 2
       2 2.4
               5.8
                     8.9 11.7
## 3
      3 11.3
               7.2
                     7.8
       4 3.9
## 4
                     10.6
                         5.6
               1
      5 2.8
## 5
               8.6 13
                          18.5
## 6
      6 6
               10
                     5
                           4.5
  3.
## [1] 32
## # A tibble: 6 x 3
   Point quarter distance
    <dbl> <chr>
                   <dbl>
## 1
       1 NE
                    7
## 2
       1 SE
                    7.5
## 3
      1 SW
                    9.3
## 4
       1 NW
                    13.9
       2 NE
## 5
                    2.4
      2 SE
## 6
                    5.8
```

4.

```
## # A tibble: 6 x 4
## Point quarter distance distance_sq
    <dbl> <dbl> <dbl>
                            <dbl>
## 1
        1 NE
                     7
                               49
## 2
        1 SE
                      7.5
                               56.2
## 3
      1 SW
                     9.3
                               86.5
## 4
      1 NW
                    13.9
                              193.
## 5
      2 NE
                     2.4
                               5.76
## 6
      2 SE
                      5.8
                               33.6
 5.
## # A tibble: 1 x 1
## sum_squared
          <dbl>
## 1
          2983.
  6.
## sum_squared
## 1 9370.271
 7.
## sum_squared
## 1 0.003415056
  9.
## [1] 4570.29
## [1] 5363.876
10.
## [1] 0.443428
 12.
## [1] -1.385724
 13.
## [1] 0.08291553
## seedlings
```

0 1 2 3 4 5 6 7 8 ## 38 20 10 8 9 6 6 5 2

Histogram of seedlings



15.

16.

[1] 2.616035

18.

[1] 269.4516

19.

[1] 8.896468

20.

[1] 1