

Floor Area [m²]	Lewe Price	Eucledian (Hour area)	Ranc
45	10K	9	7-3
52.	11 K	2	2
54 55	18K		1
57 62	16L 13K	3 8	4 5
62	12K		6.

The missing value (?) 18

## mlearn301 hw2 7

## Load Data

```
lease = read.csv('/Users/ravirajmulasa/Documents/Certificate_in_MachineLearning/Advanced_Machine_Learning
k = 1
lease1 = kNN(lease, variable = c("price"), k = 1)
## Warning in `[.data.table`(data, , `:=`(imp_vars[index_imp_vars], FALSE), :
## with=FALSE ignored, it isn't needed when using :=. See ?':=' for examples.
lease1
     area price price_imp
       45 10000
## 1
                    FALSE
## 2
       52 13000
                    FALSE
## 3
      52 11000
                    FALSE
      54 18000
                     TRUE
## 5
      55 18000
                    FALSE
## 6
      57 16000
                    FALSE
## 7
      62 13000
                    FALSE
## 8 62 12000
                    FALSE
k = 2
lease1 = kNN(lease, variable = c("price"), k = 2)
## Warning in `[.data.table`(data, , `:=`(imp_vars[index_imp_vars], FALSE), :
## with=FALSE ignored, it isn't needed when using :=. See ?':=' for examples.
lease1
     area price price_imp
      45 10000
## 1
                    FALSE
## 2
      52 13000
                    FALSE
## 3
      52 11000
                    FALSE
## 4
      54 15500
                    TRUE
## 5
      55 18000
                    FALSE
      57 16000
## 6
                    FALSE
## 7
      62 13000
                    FALSE
## 8
      62 12000
                    FALSE
k = 3
```

```
lease1 = kNN(lease, variable = c("price"), k = 3)
```

```
## Warning in `[.data.table`(data, , `:=`(imp_vars[index_imp_vars], FALSE), :
## with=FALSE ignored, it isn't needed when using :=. See ?':=' for examples.
```

## lease1

```
##
    area price price_imp
## 1
      45 10000
                   FALSE
## 2
      52 13000
                   FALSE
## 3
      52 11000
                   FALSE
      54 13000
## 4
                    TRUE
## 5
      55 18000
                   FALSE
## 6
      57 16000
                   FALSE
      62 13000
## 7
                   FALSE
## 8
      62 12000
                   FALSE
```