

webScribing

2025-05-05

```
OpenSooqDF <- read_csv("df.csv", show_col_types = FALSE)
OpenSooqDF
```

```
## # A tibble: 2,437 x 9
##   city      num_of_rooms num_of_bathrooms furnished      size_in_m2 floor age
##   <chr>      <chr>      <chr>      <chr>      <dbl> <chr> <chr>
## 1 Muscat    Two          Two          Not furnished    130 Grou~ One ~
## 2 Dhofar    Two          Two          Fully furnis~    95 Grou~ One ~
## 3 Muscat    One          Two          Not furnished    75 Thir~ Zero~
## 4 Muscat    Two          Two          Not furnished    100 Sixt~ One ~
## 5 Dhofar    Two          Two          Fully furnis~    600 Base~ Zero~
## 6 Muscat    Two          Three        Not furnished    120 Thir~ Zero~
## 7 Muscat    Two          Two          Not furnished    70 Sixt~ Six ~
## 8 Muscat    Two          Two          Not furnished    70 Seco~ One ~
## 9 Muscat    Two          Two          Fully furnis~    333 Fift~ One ~
## 10 Al Batinah Three      Three      Not furnished    100 Grou~ Six ~
## # i 2,427 more rows
## # i 2 more variables: rental_type <chr>, rental_price <dbl>
```

```
str(OpenSooqDF)
```

```
## spc_tbl_ [2,437 x 9] (S3: spec_tbl_df/tbl_df/tbl/data.frame)
## $ city      : chr [1:2437] "Muscat" "Dhofar" "Muscat" "Muscat" ...
## $ num_of_rooms : chr [1:2437] "Two" "Two" "One" "Two" ...
## $ num_of_bathrooms: chr [1:2437] "Two" "Two" "Two" "Two" ...
## $ furnished     : chr [1:2437] "Not furnished" "Fully furnished" "Not furnished" "Not furnished"
## $ size_in_m2    : num [1:2437] 130 95 75 100 600 120 70 70 333 100 ...
## $ floor         : chr [1:2437] "Ground floor" "Ground floor" "Third floor" "Sixth floor and up" .
## $ age           : chr [1:2437] "One to five years" "One to five years" "Zero to eleven months" "O
## $ rental_type   : chr [1:2437] "Monthly" "Daily" "Yearly" "Yearly" ...
## $ rental_price  : num [1:2437] 650 18 225 350 20 250 250 185 22 170 ...
## - attr(*, "spec")=
## .. cols(
## ..   city = col_character(),
## ..   num_of_rooms = col_character(),
## ..   num_of_bathrooms = col_character(),
## ..   furnished = col_character(),
## ..   size_in_m2 = col_double(),
## ..   floor = col_character(),
## ..   age = col_character(),
## ..   rental_type = col_character(),
## ..   rental_price = col_double()
## .. )
## - attr(*, "problems")=<externalptr>
```

```
head(OpenSooqDF)
```

```
## # A tibble: 6 x 9
##   city    num_of_rooms num_of_bathrooms furnished      size_in_m2 floor    age
##   <chr>   <chr>         <chr>         <chr>         <dbl> <chr>   <chr>
## 1 Muscat Two          Two          Not furnished      130 Ground ~ One ~
## 2 Dhofar Two          Two          Fully furnished      95 Ground ~ One ~
## 3 Muscat One          Two          Not furnished      75 Third f~ Zero~
## 4 Muscat Two          Two          Not furnished     100 Sixth f~ One ~
## 5 Dhofar Two          Two          Fully furnished     600 Basemen~ Zero~
## 6 Muscat Two          Three         Not furnished     120 Third f~ Zero~
## # i 2 more variables: rental_type <chr>, rental_price <dbl>
```

```
OpenSooqDF %>%
  select(city,size_in_m2,rental_price)
```

```
## # A tibble: 2,437 x 3
##   city      size_in_m2 rental_price
##   <chr>         <dbl>         <dbl>
## 1 Muscat          130           650
## 2 Dhofar           95           18
## 3 Muscat           75          225
## 4 Muscat          100          350
## 5 Dhofar          600           20
## 6 Muscat          120          250
## 7 Muscat           70          250
## 8 Muscat           70          185
## 9 Muscat          333           22
## 10 Al Batinah      100          170
## # i 2,427 more rows
```

```
OpenSooqDF %>%
  group_by(city) %>%
  summarise(
    avg_rent = mean(rental_price , na.rm = TRUE),
    min_rent = min (rental_price , na.rm = TRUE),
    max_rent = max (rental_price , na.rm = TRUE),
    count = n()
  )
```

```
## # A tibble: 8 x 5
##   city      avg_rent min_rent max_rent count
##   <chr>         <dbl>    <dbl>    <dbl> <int>
## 1 Ad Dakhiliyah  100.         15      230     58
## 2 Ad Dhahirah   102.         15      150     23
## 3 Al Batinah    119.         10      450    196
## 4 Al Buraimi    72.9         40      150     14
## 5 Al Wusta      245.         25      450     14
## 6 Ash Sharqiyah  96.3         15      240     42
## 7 Dhofar        70.5         10      350    436
## 8 Muscat        236.         10      900   1654
```

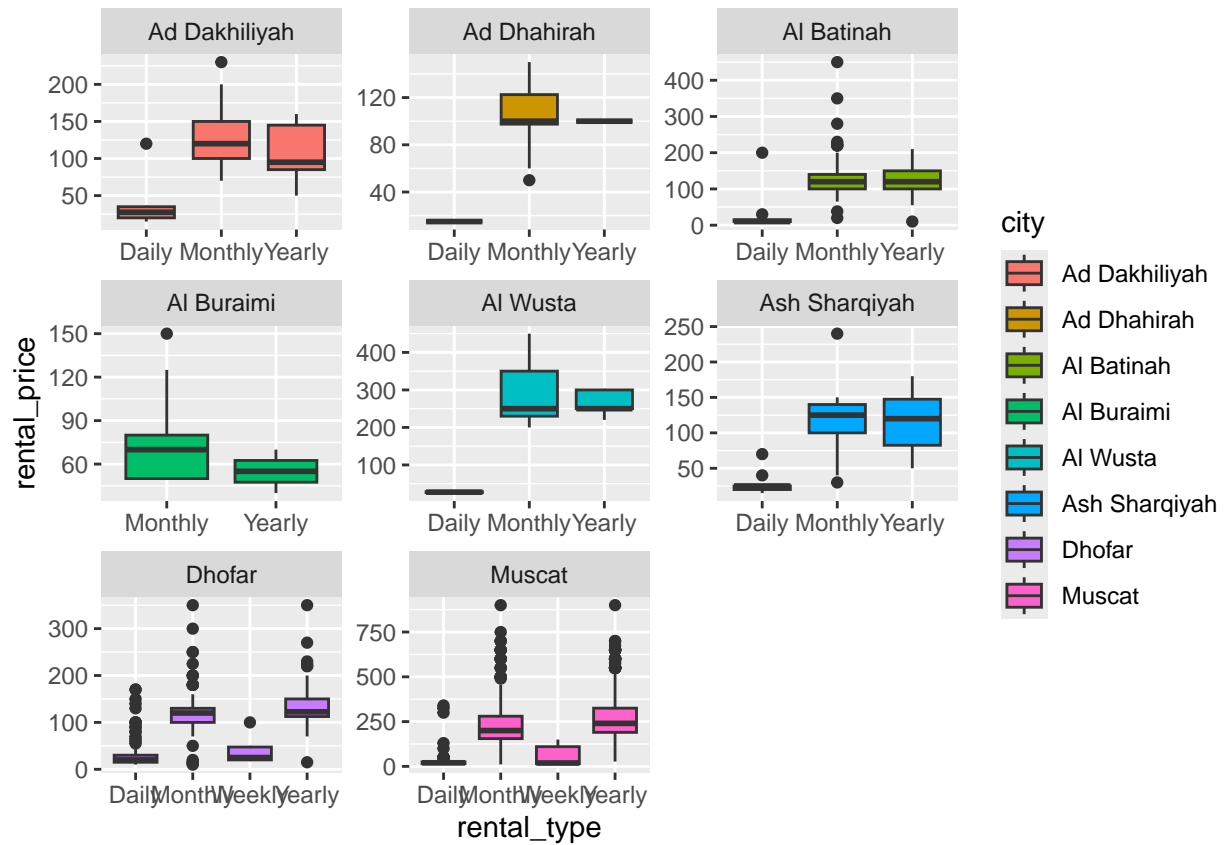
```
muscatData <- OpenSooqDF %>%
  filter(city == "Muscat",
    num_of_rooms == "Two" ,
    rental_price <200)
```

```
muscatData
```

```
## # A tibble: 271 x 9
##   city    num_of_rooms num_of_bathrooms furnished    size_in_m2 floor    age
##   <chr>   <chr>         <chr>         <chr>         <dbl> <chr>   <chr>
## 1 Muscat Two          Two          Not furnished      70 Second~ One ~
## 2 Muscat Two          Two          Fully furnished    333 Fifth ~ One ~
## 3 Muscat Two          Three         Fully furnished    100 Second~ Zero~
## 4 Muscat Two          Three         Fully furnished    100 Third ~ One ~
## 5 Muscat Two          Three         Fully furnished    110 Second~ One ~
## 6 Muscat Two          Two          Fully furnished    100 Fifth ~ One ~
## 7 Muscat Two          Two          Fully furnished     92 Fourth~ One ~
## 8 Muscat Two          Two          Fully furnished    100 First ~ One ~
## 9 Muscat Two          Three         Fully furnished    112 Fifth ~ One ~
## 10 Muscat Two          Two          Fully furnished    500 Third ~ One ~
## # i 261 more rows
## # i 2 more variables: rental_type <chr>, rental_price <dbl>
```

```
## # A tibble: 2,437 x 10
##   city    num_of_rooms num_of_bathrooms furnished    size_in_m2 floor    age
##   <chr>   <chr>         <chr>         <chr>         <dbl> <chr>   <chr>
## 1 Muscat Two          Two          Not furnished    130 Grou~ One ~
## 2 Dhofar Two          Two          Fully furnis~    95 Grou~ One ~
## 3 Muscat One          Two          Not furnished     75 Thir~ Zero~
## 4 Muscat Two          Two          Not furnished    100 Sixt~ One ~
## 5 Dhofar Two          Two          Fully furnis~    600 Base~ Zero~
## 6 Muscat Two          Three         Not furnished    120 Thir~ Zero~
## 7 Muscat Two          Two          Not furnished     70 Sixt~ Six ~
## 8 Muscat Two          Two          Not furnished     70 Seco~ One ~
## 9 Muscat Two          Two          Fully furnis~    333 Fift~ One ~
## 10 Al Batinah Three      Three         Not furnished    100 Grou~ Six ~
## # i 2,427 more rows
## # i 3 more variables: rental_type <chr>, rental_price <dbl>,
## #   `price_per_m2` <- rental_price/size_in_m2` <dbl>
```

```
ggplot(OpenSooqDF , aes (x=rental_type , y=rental_price , fill=city)) + geom_boxplot()+facet_wrap(~city)
```



in Daily: low prices in most cities with a lot of outliers
 # in monthly : Muscat and Al Wusta shows higher prices
 # in weekly : Muscat and Dhofar stand out with higher prices.
 # in yearly : Muscat, Al Wusta, and Ash Sharqiyah show higher prices and many outliers.