Freelancers

Iman

```
MEFreelancers <- read_csv("MiddleEastFreelancers.csv", show_col_types = FALSE)
str(MEFreelancers)
## spc_tbl_ [1,400 x 8] (S3: spec_tbl_df/tbl_df/tbl/data.frame)
                    : chr [1:1400] "Ahmes.S" "Hossam A." "Mahmoud G." "Mustafa E." ...
                    : chr [1:1400] "Egypt" "Egypt" "Egypt" "Egypt" ...
## $ location
## $ price_per_hour: chr [1:1400] "$10" "$25" "$20" "$25" ...
## $ user score : num [1:1400] 24 24 24 24 24 24 24 24 24 24 ...
## $ verified_user : num [1:1400] 1 1 1 1 1 1 1 1 1 1 ...
                   : chr [1:1400] "Sustainable Energy" "2D Design, 3D Design, 3D Modeling, 3D Rendering"
## $ skills
##
   $ description : chr [1:1400] NA "Interior, exterior, landscape and furniture designer" NA "Full s
  $ recommended : num [1:1400] 0 0 0 0 0 0 0 0 0 ...
##
##
   - attr(*, "spec")=
##
     .. cols(
##
         name = col_character(),
##
         location = col_character(),
##
         price_per_hour = col_character(),
##
         user_score = col_double(),
     . .
##
         verified_user = col_double(),
##
         skills = col_character(),
     . .
         description = col_character(),
##
          recommended = col_double()
##
     . .
##
     ..)
  - attr(*, "problems")=<externalptr>
head(MEFreelancers)
## # A tibble: 6 x 8
##
    name
               location price_per_hour user_score verified_user skills description
##
     <chr>
                <chr>
                         <chr>
                                             <dbl>
                                                           <dbl> <chr> <chr>
## 1 Ahmes.S
                         $10
                                                               1 Susta~ <NA>
               Egypt
## 2 Hossam A. Egypt
                                                               1 2D De~ Interior, ~
                         $25
                                                24
## 3 Mahmoud G. Egypt
                         $20
                                                24
                                                               1 Video~ <NA>
                                                24
                                                               1 .NET ~ Full stack~
## 4 Mustafa E. Egypt
                         $25
## 5 Nader A.
                Egypt
                         $8
                                                24
                                                               1 Acade~ I`m Here t~
                                                               1 Medic~ general su~
                         $8
                                                24
## 6 Ahmed T.
                Egypt
## # i 1 more variable: recommended <dbl>
Selecting Skills and Description
df_MEFreelancers <- MEFreelancers %>%
```

select(skills, description)

head(df_MEFreelancers)

```
## # A tibble: 6 x 2
##
     skills
                                                                           description
     <chr>>
##
                                                                           <chr>
                                                                           <NA>
## 1 Sustainable Energy
## 2 2D Design, 3D Design, 3D Modeling, 3D Rendering
                                                                           Interior, ~
## 3 Video Production, English Translation, Information Management, IT Ma~ <NA>
## 4 .NET Compact Framework, .NET Development, Android App Development, A~ Full stack~
## 5 Academic Writing, Ad Design, Advertising, Art Curation
                                                                          I'm Here t~
## 6 Medical Transcription, Medical Translation, Medical Writing
                                                                         general su~
```

Clean location Column

```
str(MEFreelancers$location)

## chr [1:1400] "Egypt" "Egypt" "Egypt" "Egypt" "Egypt" "Egypt" "Egypt" "Egypt" "...

# Filter out Israel

MEFreelancers <- MEFreelancers %>%
  filter(location != "Israel")
```

Clean $price_per_hour$ Column and Convert to OMR

head(MEFreelancers)

```
## # A tibble: 6 x 9
          location price per hour user score verified user skills description
## name
##
    <chr>
              <chr>
                                 <dbl>
                                            <dbl>
                                                        <dbl> <chr> <chr>
## 1 Ahmes.S
               Egypt
                                               24
                                                             1 Susta~ <NA>
## 2 Hossam A. Egypt
                                    25
                                              24
                                                             1 2D De~ Interior, ~
## 3 Mahmoud G. Egypt
                                   20
                                              24
                                                             1 Video~ <NA>
                                    25
                                              24
                                                             1 .NET ~ Full stack~
## 4 Mustafa E. Egypt
## 5 Nader A.
                                    8
                                               24
                                                             1 Acade~ I`m Here t~
               Egypt
                                     8
                                               24
## 6 Ahmed T.
               Egypt
                                                             1 Medic~ general su~
## # i 2 more variables: recommended <dbl>, price_per_hr_OR <dbl>
```

Count Freelancers by Location

```
MEFreelancers %>%
  count(location)
```

```
## # A tibble: 19 x 2
##
     location
##
     <chr>
                          <int>
## 1 Algeria
                              2
## 2 Bahrain
## 3 Egypt
                            185
## 4 India
                             88
## 5 Iran
                              4
## 6 Iraq
                              3
## 7 Jordan
                             31
## 8 Kuwait
```

```
## 9 Lebanon
                              72
## 10 Morocco
                               1
## 11 Oman
                               1
## 12 Pakistan
                             303
## 13 Palestine
                              34
## 14 Saudi Arabia
                              92
## 15 Sudan
## 16 Syria
                               1
## 17 Tunisia
                              27
## 18 Turkey
                               9
## 19 United Arab Emirates
                             537
```

Count Recommended Freelancers by Location

```
MEFreelancers %>%
  filter(recommended == 1) %>%
  count(location)
## # A tibble: 5 x 2
     location
                               n
##
     <chr>>
                           <int>
## 1 Egypt
                               3
## 2 Lebanon
                               4
## 3 Pakistan
                               2
## 4 Palestine
## 5 United Arab Emirates
```

Price Summary (Min/Max)

Price Summary by Location

```
## # A tibble: 19 x 3
##
     location
                           min_price max_price
##
      <chr>>
                               <dbl>
                                         <dbl>
## 1 Algeria
                                2.28
                                           3.8
## 2 Bahrain
                                1.14
                                          19
                                0.38
                                         380
## 3 Egypt
## 4 India
                                0.38
                                          22.8
## 5 Iran
                                1.52
                                          95
## 6 Iraq
                                2.66
                                           3.8
```

##	7	Jordan	1.14	57
##	8	Kuwait	5.7	19
##	9	Lebanon	1.14	38
##	10	Morocco	3.8	3.8
##	11	Oman	9.5	9.5
##	12	Pakistan	0.38	32.3
##	13	Palestine	1.9	13.3
##	14	Saudi Arabia	1.14	76
##	15	Sudan	3.8	3.8
##	16	Syria	1.9	1.9
##	17	Tunisia	0.38	19
##	18	Turkey	3.8	64.6
##	19	United Arab Emirates	0.76	380

Histogram of Recommended Status

Histogram of Recommended Freelancers

