Week-4: Code-along

Daniel Tan

2023-09-04

II. Code to edit and execute using the Code-along.Rmd file

A. Data Wrangling

1. Loading packages (Slide #16)

```
# Load package tidyverse
library(tidyverse)
## Warning: package 'tidyverse' was built under R version 4.2.3
## Warning: package 'ggplot2' was built under R version 4.2.3
## Warning: package 'tibble' was built under R version 4.2.3
## Warning: package 'tidyr' was built under R version 4.2.2
## Warning: package 'readr' was built under R version 4.2.2
## Warning: package 'purrr' was built under R version 4.2.3
## Warning: package 'dplyr' was built under R version 4.2.3
## Warning: package 'stringr' was built under R version 4.2.2
## Warning: package 'forcats' was built under R version 4.2.3
## Warning: package 'lubridate' was built under R version 4.2.2
## -- Attaching core tidyverse packages ----- tidyverse 2.0.0 --
## v dplyr
             1.1.2
                        v readr
                                    2.1.4
## v forcats 1.0.0
                        v stringr
                                    1.5.0
## v ggplot2 3.4.3
                       v tibble
                                    3.2.1
## v lubridate 1.9.2
                        v tidyr
                                    1.3.0
## v purrr
              1.0.2
## -- Conflicts ----- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()
                    masks stats::lag()
## i Use the conflicted package (<a href="http://conflicted.r-lib.org/">http://conflicted.r-lib.org/</a>) to force all conflicts to become error
```

2. Loading data-set (Slide #16)

```
# Read data from the hotels.csv file and assign it to a variable named, "hotels"
hotels<-read_csv("hotels.csv")</pre>
```

```
## Rows: 119390 Columns: 32
## -- Column specification ------
## Delimiter: ","
## chr (13): hotel, arrival_date_month, meal, country, market_segment, distrib...
## dbl (18): is_canceled, lead_time, arrival_date_year, arrival_date_week_numb...
## date (1): reservation_status_date
##
## 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.
```

3. List names of the variables in the data-set (Slide #19)

Enter code here names(hotels)

```
## [1] "hotel"
                                         "is canceled"
## [3] "lead time"
                                         "arrival date year"
## [5] "arrival_date_month"
                                         "arrival_date_week_number"
   [7] "arrival_date_day_of_month"
                                         "stays_in_weekend_nights"
                                         "adults"
## [9] "stays_in_week_nights"
## [11] "children"
                                         "babies"
## [13] "meal"
                                         "country"
## [15] "market_segment"
                                         "distribution_channel"
## [17] "is_repeated_guest"
                                         "previous_cancellations"
## [19] "previous_bookings_not_canceled"
                                         "reserved_room_type"
## [21] "assigned_room_type"
                                         "booking_changes"
## [23] "deposit_type"
                                         "agent"
## [25] "company"
                                         "days_in_waiting_list"
## [27] "customer_type"
                                         "adr"
## [29] "required_car_parking_spaces"
                                          "total_of_special_requests"
## [31] "reservation_status"
                                         "reservation_status_date"
```

4. Glimpse of contents of the data-set (Slide #20)

Enter code here glimpse(hotels)

```
<chr> "July", "July", "July", "July", "July", ~
## $ arrival_date_month
                                                                     ## $ arrival_date_week_number
## $ arrival date day of month
                                                                     ## $ stays_in_weekend_nights
                                                                     <dbl> 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, ~
## $ stays_in_week_nights
                                                                     <dbl> 0, 0, 1, 1, 2, 2, 2, 2, 3, 3, 4, 4, 4, ~
## $ adults
                                                                     <dbl> 2, 2, 1, 1, 2, 2, 2, 2, 2, 2, 2, 2, 2, ~
## $ children
                                                                     <dbl> 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, ~
## $ babies
                                                                     <dbl> 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, ~
## $ meal
                                                                     <chr> "BB", 
                                                                     <chr> "PRT", "PRT", "GBR", "GBR", "GBR", "GBR~
## $ country
## $ market_segment
                                                                     <chr> "Direct", "Direct", "Corporat~
                                                                     <chr> "Direct", "Direct", "Direct", "Corporat~
## $ distribution_channel
## $ is_repeated_guest
                                                                     <dbl> 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, ~
## $ previous_cancellations
                                                                     <dbl> 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, ~
## $ reserved_room_type
                                                                     ## $ assigned_room_type
## $ booking changes
                                                                     <dbl> 3, 4, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, ~
                                                                     <chr> "No Deposit", "No Deposit", "No Deposit~
## $ deposit_type
                                                                     <chr> "NULL", "NULL", "NULL", "304", "240", "~
## $ agent
## $ company
                                                                     <chr> "NULL", "NULL", "NULL", "NULL", "NULL",~
## $ days_in_waiting_list
                                                                     <dbl> 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, ~
                                                                     <chr> "Transient", "Transient", "Transient", ~
## $ customer_type
                                                                     <dbl> 0.00, 0.00, 75.00, 75.00, 98.00, 98.00,~
## $ adr
## $ required_car_parking_spaces
                                                                     <dbl> 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, ~
## $ total_of_special_requests
                                                                     <dbl> 0, 0, 0, 0, 1, 1, 0, 1, 1, 0, 0, 0, 3, ~
                                                                     <chr> "Check-Out", "Check-Out", "Check-Out", ~
## $ reservation_status
                                                                     <date> 2015-07-01, 2015-07-01, 2015-07-02, 20~
## $ reservation_status_date
```

B. Choosing rows or columns

5. Select a single column (Slide #24)

```
# Enter code here
select(hotels, lead_time)
```

```
## # A tibble: 119,390 x 1
##
      lead time
##
           <dbl>
##
    1
             342
   2
             737
##
##
   3
               7
##
    4
              13
##
    5
              14
##
   6
              14
##
   7
               0
##
   8
               9
##
   9
              85
## 10
              75
## # i 119,380 more rows
```

6. Select multiple columns (Slide #25)

Enter code here select(hotels,lead_time,agent,market_segment)

```
## # A tibble: 119,390 x 3
##
      lead_time agent market_segment
##
          <dbl> <chr> <chr>
##
   1
            342 NULL Direct
##
            737 NULL Direct
  2
##
  3
             7 NULL Direct
##
  4
             13 304
                      Corporate
##
   5
            14 240
                      Online TA
            14 240
                      Online TA
##
  6
              O NULL Direct
##
  7
             9 303
                      Direct
## 8
                      Online TA
## 9
             85 240
## 10
             75 15
                      Offline TA/TO
## # i 119,380 more rows
```

7. Arrange entries of a column (Slide #28)

```
# Enter code here
arrange(hotels,lead_time)
```

```
## # A tibble: 119,390 x 32
##
      hotel
                   is_canceled lead_time arrival_date_year arrival_date_month
##
      <chr>
                         <dbl>
                                   <dbl>
                                                      <dbl> <chr>
##
  1 Resort Hotel
                             0
                                       0
                                                      2015 July
                             0
##
   2 Resort Hotel
                                       0
                                                      2015 July
                                                      2015 July
##
   3 Resort Hotel
                             0
                                       0
##
  4 Resort Hotel
                             0
                                       0
                                                      2015 July
## 5 Resort Hotel
                             0
                                       0
                                                      2015 July
   6 Resort Hotel
                             0
                                       0
                                                       2015 July
## 7 Resort Hotel
                             0
                                       0
                                                      2015 July
## 8 Resort Hotel
                             0
                                       0
                                                      2015 July
## 9 Resort Hotel
                             0
                                       0
                                                       2015 July
## 10 Resort Hotel
                                                       2015 July
## # i 119,380 more rows
## # i 27 more variables: arrival_date_week_number <dbl>,
       arrival_date_day_of_month <dbl>, stays_in_weekend_nights <dbl>,
## #
## #
       stays_in_week_nights <dbl>, adults <dbl>, children <dbl>, babies <dbl>,
       meal <chr>, country <chr>, market_segment <chr>,
## #
       distribution_channel <chr>, is_repeated_guest <dbl>,
## #
       previous_cancellations <dbl>, previous_bookings_not_canceled <dbl>, ...
```

8. Arrange entries of a column in the descending order (Slide #30)

```
# Enter code here
arrange(hotels, desc(lead_time))
```

```
## # A tibble: 119,390 x 32
##
                   is_canceled lead_time arrival_date_year arrival_date_month
     hotel
##
      <chr>
                         <dbl>
                                   <dbl>
                                                     <dbl> <chr>
## 1 Resort Hotel
                             0
                                     737
                                                      2015 July
## 2 Resort Hotel
                             0
                                     709
                                                      2016 February
## 3 City Hotel
                             1
                                     629
                                                      2017 March
## 4 City Hotel
                             1
                                     629
                                                      2017 March
## 5 City Hotel
                                                      2017 March
                             1
                                     629
## 6 City Hotel
                             1
                                     629
                                                      2017 March
## 7 City Hotel
                                                      2017 March
                            1
                                     629
## 8 City Hotel
                             1
                                     629
                                                      2017 March
## 9 City Hotel
                                     629
                                                      2017 March
                             1
## 10 City Hotel
                             1
                                     629
                                                      2017 March
## # i 119,380 more rows
## # i 27 more variables: arrival_date_week_number <dbl>,
       arrival_date_day_of_month <dbl>, stays_in_weekend_nights <dbl>,
## #
      stays_in_week_nights <dbl>, adults <dbl>, children <dbl>, babies <dbl>,
      meal <chr>, country <chr>, market_segment <chr>,
## #
      distribution_channel <chr>, is_repeated_guest <dbl>,
## #
      previous_cancellations <dbl>, previous_bookings_not_canceled <dbl>, ...
```

9. Select columns and arrange the entries of a column (Slide #31)

##

lead_time

```
# Enter code here
select(hotels, lead_time)
## # A tibble: 119,390 x 1
##
      lead time
##
          <dbl>
            342
## 1
## 2
            737
## 3
             7
## 4
            13
## 5
            14
## 6
             14
## 7
             0
             9
## 8
             85
## 9
## 10
             75
## # i 119,380 more rows
arrange(select(hotels, lead_time),
        desc(lead time)
        )
## # A tibble: 119,390 x 1
```

```
##
          <dbl>
##
  1
            737
   2
            709
##
   3
            629
##
##
   4
            629
##
   5
            629
##
   6
            629
   7
            629
##
##
   8
            629
## 9
            629
## 10
            629
## # i 119,380 more rows
```

10. Select columns and arrange the entries of a column using the pipe operator (Slide #37)

```
# Enter code here
hotels %>%
  select(lead_time) %>%
  arrange(desc(lead_time))
## # A tibble: 119,390 x 1
      lead_time
          <dbl>
##
##
   1
            737
##
  2
            709
##
   3
            629
            629
## 4
## 5
            629
##
   6
            629
   7
            629
##
## 8
            629
## 9
            629
## 10
            629
## # i 119,380 more rows
```

11. Pick rows matching a condition (Slide #44)

```
# Enter code here
hotels %>%
  filter(
    children >= 1
) %>%
  select(hotel,children)
```

```
## # A tibble: 8,590 x 2
## hotel children
## <chr> ## 1 Resort Hotel 1
## 2 Resort Hotel 2
## 3 Resort Hotel 2
```

```
## 4 Resort Hotel 2
## 5 Resort Hotel 1
## 6 Resort Hotel 1
## 7 Resort Hotel 2
## 8 Resort Hotel 2
## 9 Resort Hotel 1
## 10 Resort Hotel 2
## i 8,580 more rows
```

12. Pick rows matching multiple conditions (Slide #46)

```
# Enter code here
hotels %>%
  filter(
    children >= 1,
    hotel == "City Hotel"
) %>%
  select(hotel,children)
```

```
## # A tibble: 5,106 x 2
##
     hotel children
##
     <chr>
                <dbl>
## 1 City Hotel
                    1
## 2 City Hotel
                       2
## 3 City Hotel
                       1
## 4 City Hotel
                       1
## 5 City Hotel
                       1
## 6 City Hotel
                       1
## 7 City Hotel
## 8 City Hotel
                       1
## 9 City Hotel
                       1
## 10 City Hotel
                       1
## # i 5,096 more rows
```

13. Non-conditional selection of rows: sequence of indices (Slide #49)

```
# Enter code here
hotels%>%
  slice(
    1:5
)
```

```
## # A tibble: 5 x 32
##
           is_canceled lead_time arrival_date_year arrival_date_month
    hotel
    <chr>>
                    <dbl>
                             <dbl>
                                                <dbl> <chr>
                                 342
## 1 Resort Hotel
                        0
                                                 2015 July
## 2 Resort Hotel
                         0
                                 737
                                                 2015 July
                       0
## 3 Resort Hotel
                                  7
                                                 2015 July
## 4 Resort Hotel
                        0
                                  13
                                                 2015 July
                        0
## 5 Resort Hotel
                                  14
                                                 2015 July
```

```
## # i 27 more variables: arrival_date_week_number <dbl>,
## # arrival_date_day_of_month <dbl>, stays_in_weekend_nights <dbl>,
## # stays_in_week_nights <dbl>, adults <dbl>, children <dbl>, babies <dbl>,
## # meal <chr>, country <chr>, market_segment <chr>,
## # distribution_channel <chr>, is_repeated_guest <dbl>,
## # previous_cancellations <dbl>, previous_bookings_not_canceled <dbl>,
## # reserved_room_type <chr>, assigned_room_type <chr>, ...
```

14. Non-conditional selection of rows: non-consecutive/specific indices (Slide #50)

```
# Enter code here
hotels %>%
  slice(
    1,3,5
## # A tibble: 3 x 32
                  is_canceled lead_time arrival_date_year arrival_date_month
     hotel
##
     <chr>>
                        <dbl>
                                   <dbl>
                                                     <dbl> <chr>
## 1 Resort Hotel
                            0
                                     342
                                                      2015 July
## 2 Resort Hotel
                            0
                                       7
                                                      2015 July
## 3 Resort Hotel
                            0
                                      14
                                                      2015 July
## # i 27 more variables: arrival_date_week_number <dbl>,
       arrival_date_day_of_month <dbl>, stays_in_weekend_nights <dbl>,
       stays in week nights <dbl>, adults <dbl>, children <dbl>, babies <dbl>,
       meal <chr>, country <chr>, market_segment <chr>,
## #
## #
       distribution_channel <chr>, is_repeated_guest <dbl>,
## #
       previous_cancellations <dbl>, previous_bookings_not_canceled <dbl>,
```

reserved_room_type <chr>, assigned_room_type <chr>, ...

15. Pick unique rows using distinct() (Slide #52)

```
# Enter code here
hotels%>%
  distinct(
    hotel
  )

## # A tibble: 2 x 1
## hotel
## <<chr>
```

C. Creating new columns

1 Resort Hotel
2 City Hotel

16. Creating a single column with mutate() (Slide #56)

```
# Enter code here
hotels%>%
  mutate(little_ones=children + babies)%>%
  select(hotel,little_ones,children,babies)
```

```
## # A tibble: 119,390 x 4
##
      hotel
                   little_ones children babies
##
      <chr>
                         <dbl>
                                  <dbl>
                                          <dbl>
##
  1 Resort Hotel
                             0
                                       0
                                              0
## 2 Resort Hotel
                             0
                                       0
                                              0
## 3 Resort Hotel
                             0
                                              0
                                       0
## 4 Resort Hotel
                             0
                                      0
                                              0
## 5 Resort Hotel
                             0
                                              0
## 6 Resort Hotel
                             0
                                      0
                                              0
## 7 Resort Hotel
                             0
                                      0
                                              0
## 8 Resort Hotel
                             0
                                              0
                                      0
## 9 Resort Hotel
                             0
## 10 Resort Hotel
                             0
                                      0
                                              0
## # i 119,380 more rows
```

17. Creating multiple columns with mutate() (Slide #58)

```
## # A tibble: 119,390 x 5
##
      hotel
                   little_ones children babies average_little_ones
##
      <chr>
                         <dbl>
                                   <dbl>
                                          <dbl>
                                                               <dbl>
## 1 Resort Hotel
                                              0
                                                                 NA
                             0
                                       0
## 2 Resort Hotel
                             0
                                       0
                                              0
                                                                 NA
                             0
## 3 Resort Hotel
                                              0
                                                                 NA
## 4 Resort Hotel
                             0
                                       0
                                              0
                                                                 NA
## 5 Resort Hotel
                             0
                                       0
                                              0
                                                                 NA
## 6 Resort Hotel
                             0
                                       0
                                              0
                                                                 NA
## 7 Resort Hotel
                             0
                                              0
                                                                 NA
## 8 Resort Hotel
                             0
                                       0
                                              0
                                                                 NA
## 9 Resort Hotel
                             0
                                       0
                                              0
                                                                  NA
## 10 Resort Hotel
                             0
                                              0
                                                                  NA
## # i 119,380 more rows
```

D. More operations with examples

18. count() to get frequencies (Slide #60)

```
# Enter code here
hotels %>%
 count(market_segment)
## # A tibble: 8 x 2
## market_segment
   <chr>
               <int>
## 1 Aviation
                     237
## 2 Complementary
                    743
## 3 Corporate
                   5295
## 4 Direct
                   12606
## 5 Groups
                  19811
## 6 Offline TA/TO 24219
## 7 Online TA
                   56477
## 8 Undefined
19. count() to get frequencies with sorting of count (Slide #61)
# Enter code here
hotels %>%
 count(market_segment, sort = TRUE)
## # A tibble: 8 x 2
##
   market_segment
##
    <chr> <int>
## 1 Online TA
                 56477
## 2 Offline TA/TO 24219
## 3 Groups
                   19811
## 4 Direct
                   12606
## 5 Corporate
                  5295
## 6 Complementary
                    743
## 7 Aviation
                     237
## 8 Undefined
                      2
20. count() multiple variables (Slide #62)
# Enter code here
hotels%>%
 count(hotel,market_segment)
## # A tibble: 14 x 3
##
     hotel market_segment
                                    n
##
     <chr>
                 <chr> <int>
## 1 City Hotel Aviation
                                  237
## 2 City Hotel Complementary
                                 542
                                 2986
## 3 City Hotel Corporate
## 4 City Hotel
                  Direct
                                 6093
## 5 City Hotel
                                13975
                  Groups
```

```
## 6 City Hotel Offline TA/TO 16747
## 7 City Hotel Online TA
                                 38748
## 8 City Hotel Undefined
## 9 Resort Hotel Complementary
                                   201
## 10 Resort Hotel Corporate
                                  2309
## 11 Resort Hotel Direct
                                  6513
## 12 Resort Hotel Groups
                                  5836
## 13 Resort Hotel Offline TA/TO
                                 7472
## 14 Resort Hotel Online TA
                                 17729
```

21. summarise() for summary statistics (Slide #63)

```
# Enter code here
hotels %>%
  summarise(mean_adr = mean(adr))

## # A tibble: 1 x 1
## mean_adr
## <dbl>
## 1 102.
```

22. summarise() by using group_by to find mean (Slide #64)

23. summarise() by using group_by to get count (Slide #65)

<chr>>

1 City Hotel 79330 ## 2 Resort Hotel 40060

<int>

```
# Enter code here
hotels%>%
   group_by(hotel)%>%
   summarise(count=n())

## # A tibble: 2 x 2
## hotel count
```

24. summarise() for multiple summary statistics (Slide #67)

```
# Enter code here
hotels%>%
  summarise(
   min_adr = min(adr),
    mean_adr = mean(adr),
    median_adr = median(adr),
    \max_{\text{adr}} = \max(\text{adr})
)
## # A tibble: 1 x 4
   min_adr mean_adr median_adr max_adr
##
       <dbl>
              <dbl>
                       <dbl> <dbl>
## 1 -6.38
                 102.
                            94.6
                                    5400
25. select(), slice() and arrange() (Slide #68)
# Enter code here
hotels%>%
  select(hotel, lead_time) %>%
  slice(1:5) %>%
 arrange(lead_time)
## # A tibble: 5 x 2
##
   hotel lead_time
     <chr>
                 <dbl>
## 1 Resort Hotel
                          7
## 2 Resort Hotel
                         13
## 3 Resort Hotel
                        14
## 4 Resort Hotel
                        342
## 5 Resort Hotel
                        737
26. select(), arrange() and slice() (Slide #69)
# Enter code here
hotels%>%
  select(hotel, lead_time) %>%
  arrange(lead_time) %>%
  slice(1:5)
## # A tibble: 5 x 2
##
            lead\_time
    hotel
     <chr>>
                      <dbl>
## 1 Resort Hotel
                          0
## 2 Resort Hotel
                          0
## 3 Resort Hotel
                          0
## 4 Resort Hotel
## 5 Resort Hotel
```

27. filter() to select rows based on conditions (Slide #73)

```
# Enter code here
hotels%>%
  filter(
   adults == 0,
   children >= 1,
  )%>%
  select(adults,babies,children)
```

```
## # A tibble: 223 x 3
##
     adults babies children
##
      <dbl> <dbl>
                      <dbl>
##
          0
  1
                 0
                          3
## 2
          0
                 0
                          2
## 3
          0
                 0
                          2
## 4
          0
                 0
## 5
          0
                 0
                          2
##
  6
          0
                 0
                          3
                          2
## 7
          0
                 1
                          2
## 8
          0
                 0
## 9
          0
                 0
                          2
## 10
          0
                 0
## # i 213 more rows
```

28. filter() to select rows based on complicated conditions (Slide #74)

```
# Enter code here
hotels%>%
  filter(
   adults == 1,
   children >= 1|babies >=1
) %>%
  select(adults,babies,children)
```

```
## # A tibble: 450 x 3
      adults babies children
##
##
       <dbl> <dbl>
                       <dbl>
##
   1
           1
                  0
                           2
## 2
           1
                  0
                           2
## 3
           1
                  0
                           1
## 4
           1
                  1
                           0
## 5
           1
                  0
                           1
                  0
## 6
           1
                           1
## 7
           1
                  0
                           2
## 8
           1
                  0
                           2
## 9
           1
                  0
                           1
## 10
           1
                  0
## # i 440 more rows
```

29. count() and arrange() (Slide #76)

```
# Enter code here
hotels %>%
  count(market_segment)%>%
  arrange(desc(n))
## # A tibble: 8 x 2
##
    market_segment
                       n
##
     <chr>
                    <int>
## 1 Online TA
                    56477
## 2 Offline TA/TO 24219
## 3 Groups
                    19811
## 4 Direct
                   12606
## 5 Corporate
                    5295
## 6 Complementary
                    743
## 7 Aviation
                      237
## 8 Undefined
                        2
```

30. mutate(), select() and arrange() (Slide #77)

```
# Enter code here
hotels%>%
  mutate(little_ones = children + babies) %>%
  select(children,babies,little_ones)%>%
  arrange(desc(little_ones))
```

```
## # A tibble: 119,390 x 3
##
     children babies little_ones
       <dbl> <dbl>
                     <dbl>
##
## 1
         10
                 0
                           10
          0
                10
## 2
                           10
## 3
           0
                 9
                            9
## 4
           2
                 1
                            3
## 5
          2
                            3
                1
          2
## 6
                1
                            3
## 7
          3
                 0
                            3
## 8
           2
                 1
                            3
## 9
           2
                 1
                            3
## 10
           3
                            3
## # i 119,380 more rows
```

31. mutate(), filter() and select() (Slide #78)

```
# Enter code here
hotels%>%
  mutate(little_ones = children + babies) %>%
  filter(
```

```
little_ones >= 1,
   hotel =="Resort Hotel"
 select(hotel, little_ones)
## # A tibble: 3,929 x 2
##
     hotel little_ones
                  <dbl>
##
     <chr>
## 1 Resort Hotel
                      1
## 2 Resort Hotel
## 3 Resort Hotel
## 4 Resort Hotel
## 5 Resort Hotel
                         1
## 6 Resort Hotel
                         1
## 7 Resort Hotel
## 8 Resort Hotel
## 9 Resort Hotel
                         1
## 10 Resort Hotel
## # i 3,919 more rows
hotels%>%
 mutate(little_ones = children + babies) %>%
 filter(
   little_ones >= 1,
   hotel =="City Hotel"
 ) %>%
 select(hotel, little_ones)
## # A tibble: 5,403 x 2
## hotel little_ones
##
    <chr>
## 1 City Hotel
## 2 City Hotel
## 3 City Hotel
                        2
## 4 City Hotel
                        1
## 5 City Hotel
## 6 City Hotel
                        1
## 7 City Hotel
## 8 City Hotel
                        1
## 9 City Hotel
## 10 City Hotel
```

i 5,393 more rows