Week-4: Code-along

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

A. Data Wrangling

1. Loading packages (Slide #16)

```
# Load package tidyverse
install.packages("tidyverse")
```

2. Loading data-set (Slide #16)

```
# Read data from the hotels.csv file and assign it to a variable named, "hotels" library(tidyverse)
```

```
## -- Attaching core tidyverse packages ----- tidyverse 2.0.0 --
## v dplyr 1.1.4
                                 2.1.5
                     v readr
                     v stringr
## v forcats 1.0.0
                                 1.5.1
## v ggplot2 3.4.4
                   v tibble
                                 3.2.1
## v lubridate 1.9.3
                      v tidyr
                                1.3.0
             1.0.2
## v purrr
## -- 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
```

```
read_csv("hotels.csv")
```

```
## 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.
```

```
## # 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
                                     342
                                                      2015 July
   2 Resort Hotel
                            0
                                     737
                                                      2015 July
## 3 Resort Hotel
                            0
                                      7
                                                      2015 July
## 4 Resort Hotel
                            0
                                     13
                                                      2015 July
## 5 Resort Hotel
                            0
                                     14
                                                      2015 July
## 6 Resort Hotel
                            0
                                     14
                                                      2015 July
                            0
                                     0
## 7 Resort Hotel
                                                      2015 July
## 8 Resort Hotel
                            0
                                      9
                                                      2015 July
## 9 Resort Hotel
                                      85
                             1
                                                      2015 July
## 10 Resort Hotel
                             1
                                      75
                                                      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>, ...
```

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

names(hotels)

```
# Enter code here
hotels <- read_csv("hotels.csv")

## 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.</pre>
```

```
##
   [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"
## [9] "stays_in_week_nights"
                                          "adults"
## [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)
```

```
## Rows: 119,390
## Columns: 32
                                                                <chr> "Resort Hotel", "Resort Hotel", "Resort~
## $ hotel
## $ is_canceled
                                                                <dbl> 0, 0, 0, 0, 0, 0, 0, 0, 1, 1, 1, 0, 0, ~
## $ lead time
                                                                <dbl> 342, 737, 7, 13, 14, 14, 0, 9, 85, 75, ~
## $ arrival_date_year
                                                                <dbl> 2015, 2015, 2015, 2015, 2015, 2017
## $ arrival_date_month
                                                                <chr> "July", "July", "July", "July", "July",~
## $ 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
                                                                <chr> "BB", 
## $ meal
## $ country
                                                                <chr> "PRT", "PRT", "GBR", "GBR", "GBR", "GBR~
## $ market_segment
                                                                <chr> "Direct", "Direct", "Direct", "Corporat~
                                                                <chr> "Direct", "Direct", "Direct", "Corporat~
## $ distribution_channel
                                                                <dbl> 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, ~
## $ is_repeated_guest
## $ 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>
            342
##
   1
##
    2
             737
##
    3
              7
##
              13
##
    5
              14
##
    6
              14
##
   7
               0
##
   8
               9
              85
##
   9
              75
## 10
## # i 119,380 more rows
```

6. Select multiple columns (Slide #25)

```
select(hotels, lead_time,agent,market_segment)
```

```
## # A tibble: 119,390 x 3
##
      lead_time agent market_segment
          <dbl> <chr> <chr>
            342 NULL Direct
##
   1
##
   2
            737 NULL Direct
             7 NULL Direct
##
   3
##
   4
             13 304
                      Corporate
             14 240
##
   5
                      Online TA
             14 240
                      Online TA
##
   6
##
  7
             O NULL Direct
##
   8
             9 303
                      Direct
## 9
             85 240
                      Online TA
## 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
##
                   is_canceled lead_time arrival_date_year arrival_date_month
      hotel
##
      <chr>
                         <dbl>
                                    <dbl>
                                                      <dbl> <chr>
##
    1 Resort Hotel
                             0
                                        0
                                                       2015 July
##
    2 Resort Hotel
                             0
                                        0
                                                       2015 July
  3 Resort Hotel
                             0
                                        0
                                                       2015 July
  4 Resort Hotel
                             0
##
                                        0
                                                       2015 July
##
    5 Resort Hotel
                             0
                                        0
                                                       2015 July
                             0
                                        0
## 6 Resort Hotel
                                                       2015 July
## 7 Resort Hotel
                             0
                                        0
                                                       2015 July
## 8 Resort Hotel
                             0
                                        0
                                                       2015 July
```

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
##
      hotel
                   is_canceled lead_time arrival_date_year arrival_date_month
##
      <chr>
                                                      <dbl> <chr>
                         <dbl>
                                   <dbl>
## 1 Resort Hotel
                             0
                                     737
                                                      2015 July
## 2 Resort Hotel
                                     709
                             0
                                                      2016 February
## 3 City Hotel
                             1
                                     629
                                                      2017 March
## 4 City Hotel
                             1
                                     629
                                                      2017 March
## 5 City Hotel
                                                      2017 March
                                     629
                             1
## 6 City Hotel
                             1
                                     629
                                                       2017 March
## 7 City Hotel
                                     629
                                                      2017 March
                             1
## 8 City Hotel
                             1
                                     629
                                                      2017 March
## 9 City Hotel
                                     629
                                                       2017 March
                             1
## 10 City Hotel
                                     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)

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

```
## # A tibble: 119,390 x 1
##
      lead_time
##
          <dbl>
## 1
            737
## 2
            709
## 3
            629
## 4
            629
## 5
            629
##
            629
  6
```

```
## 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
    4
             629
##
##
    5
             629
##
   6
             629
   7
             629
##
             629
##
    8
##
  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
                      <dbl>
##
      <chr>>
   1 Resort Hotel
    2 Resort Hotel
##
##
    3 Resort Hotel
                          2
##
   4 Resort Hotel
                          2
##
  5 Resort Hotel
                          1
  6 Resort Hotel
##
                          1
##
   7 Resort Hotel
                          2
  8 Resort Hotel
## 9 Resort Hotel
                          1
                          2
## 10 Resort Hotel
## # 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
## 2 City Hotel
                        2
## 3 City Hotel
                        1
## 4 City Hotel
                        1
## 5 City Hotel
                        1
## 6 City Hotel
                        1
## 7 City Hotel
                        1
## 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
```

```
hotel
           is_canceled lead_time arrival_date_year arrival_date_month
    <chr>>
                     <dbl>
                               <dbl>
                                                  <dbl> <chr>
## 1 Resort Hotel
                                  342
                         0
                                                    2015 July
## 2 Resort Hotel
                           0
                                   737
                                                    2015 July
## 3 Resort Hotel
                           0
                                    7
                                                    2015 July
## 4 Resort Hotel
                           0
                                    13
                                                    2015 July
## 5 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>, ...
```

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

```
## 2 Resort Hotel
                                      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>
## 1 Resort Hotel
## 2 City Hotel
```

- C. Creating new columns
- 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
## 4 Resort Hotel
                             0
                                      0
                                             0
## 5 Resort Hotel
                             0
                                      0
                                             0
## 6 Resort Hotel
                             0
                                      0
                                             0
## 7 Resort Hotel
                             0
                                      0
                                             0
## 8 Resort Hotel
                             0
                                      0
                                             0
## 9 Resort Hotel
                             0
                                      0
                                             0
## 10 Resort Hotel
                             0
                                      0
                                             0
## # i 119,380 more rows
```

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

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

```
## # A tibble: 119,390 x 5
     hotel
##
                  little_ones children babies average_little_ones
                      <dbl>
                                 <dbl> <dbl>
##
      <chr>
  1 Resort Hotel
                            0
                                            0
                                                               NA
##
                                     0
##
   2 Resort Hotel
                            0
                                     0
                                            0
                                                               NA
##
  3 Resort Hotel
                            0
                                     0
                                            0
                                                               NA
## 4 Resort Hotel
                            0
                                                               NA
## 5 Resort Hotel
                            0
                                            0
                                     0
                                                               NA
##
   6 Resort Hotel
                            0
                                     0
                                            0
                                                               NA
## 7 Resort Hotel
                            0
                                     0
                                            0
                                                               NA
## 8 Resort Hotel
                            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
                        n
##
     <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
## 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
## 3 City Hotel
                 Corporate
                                  2986
## 4 City Hotel
                 Direct
                                  6093
## 5 City Hotel
                 Groups
                                 13975
## 6 City Hotel Offline TA/TO 16747
## 7 City Hotel
                  Online TA
                                 38748
## 8 City Hotel
                  Undefined
                                     2
## 9 Resort Hotel Complementary
                                   201
                                  2309
## 10 Resort Hotel Corporate
## 11 Resort Hotel Direct
                                  6513
                                  5836
## 12 Resort Hotel Groups
## 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)
# Enter code here
hotels %>% group_by(hotel) %>% summarise(mean_adr = mean(adr))
## # A tibble: 2 x 2
##
   hotel
                 mean_adr
    <chr>
                    <dbl>
## 1 City Hotel
                    105.
## 2 Resort Hotel
                     95.0
23. summarise() by using group_by to get count (Slide #65)
```

```
# Enter code here
hotels %>% group_by(hotel) %>% summarise(count = n())
## # A tibble: 2 x 2
##
    hotel
     <chr>>
                  <int>
## 1 City Hotel
                  79330
## 2 Resort Hotel 40060
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_adr = max(
## # A tibble: 1 x 4
    min_adr mean_adr median_adr max_adr
##
       <dbl>
               <dbl>
                           <dbl>
                                   <dbl>
       -6.38
                            94.6
                                    5400
## 1
                 102.
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
##
           lead_time
    hotel
     <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
##
    hotel
                  lead_time
     <chr>>
                      <dbl>
## 1 Resort Hotel
                          0
## 2 Resort Hotel
                          0
                          0
## 3 Resort Hotel
## 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>
##
   1
           0
                  0
                            3
##
    2
           0
                  0
                            2
##
   3
           0
                  0
                            2
##
   4
           0
                  0
                            2
                            2
##
  5
           0
                  0
           0
##
  6
                  0
                            3
## 7
                            2
           0
                  1
## 8
           0
                  0
                            2
## 9
           0
                  0
                            2
## 10
           0
                  0
                            2
## # 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
                            2
                  0
##
           1
                  0
                            2
   2
##
   3
                  0
           1
                            1
##
   4
           1
                  1
                            0
## 5
           1
                  0
                            1
##
  6
           1
                  0
                            1
  7
##
           1
                  0
## 8
                  0
                            2
           1
## 9
           1
                  0
                            1
                  0
## 10
           1
                            1
## # 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) %>% arrang
## # A tibble: 119,390 x 3
##
      children babies little_ones
         <dbl> <dbl>
##
                            <dbl>
##
            10
   1
                    0
                               10
## 2
             0
                   10
                               10
## 3
             0
                    9
                                9
                                3
## 4
             2
                    1
## 5
             2
                                3
                    1
## 6
             2
                    1
                                3
## 7
                                3
             3
                    0
## 8
             2
                    1
                                3
## 9
             2
                                3
## 10
             3
                    0
                                3
## # i 119,380 more rows
```

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

i 3,919 more rows

```
# Enter code here
hotels %>% mutate(little_ones = children + babies) %>% filter(little_ones >= 1, hotel == "Resort Hotel"
## # A tibble: 3,929 x 2
##
      hotel
                   little_ones
##
      <chr>
                         <dbl>
##
  1 Resort Hotel
                             1
## 2 Resort Hotel
                             2
## 3 Resort Hotel
## 4 Resort Hotel
                             2
## 5 Resort Hotel
                             1
## 6 Resort Hotel
                             1
   7 Resort Hotel
                             2
## 8 Resort Hotel
## 9 Resort Hotel
                             1
## 10 Resort Hotel
```

Enter code here hotels %>% mutate(little_ones = children + babies) %>% filter(little_ones >= 1, hotel == "City Hotel") ## # A tibble: 5,403 x 2 ## hotel little_ones ## 1 City Hotel 1 ## 2 City Hotel 1 ## 3 City Hotel 2 ## 3 City Hotel ## 4 City Hotel ## 4 City Hotel 1 ## 5 City Hotel 1 ## 6 City Hotel 1 ## 7 City Hotel 1 ## 8 City Hotel 1 ## 9 City Hotel 1 ## 10 City Hotel 1 ## # 15 302 mage 7 1

i 5,393 more rows