

Hotels

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```
library(tidyverse)
library(infer)

hotel_bookings <- read.csv("~/R/DIIG/hotel_bookings.csv")

hotel_bookings <- hotel_bookings %>%
  mutate(total_nights = stays_in_week_nights + stays_in_weekend_nights)

hotel_bookings %>%
  mutate(arrival_date_month = factor(arrival_date_month,
                                     levels = c("January", "February", "March", "April", "May",
                                                "June", "July", "August", "September",
                                                "October", "November", "December"))) %>%

  group_by(hotel, arrival_date_month) %>%
  ggplot(aes(x = arrival_date_month)) +
  geom_bar() +
  facet_wrap(~ hotel,
            nrow = 2,
            scales = "free_y") +
  labs(title = "Distribution of Arrivals at Hotel by Month of the Year",
       subtitle = "Faceted by City vs. Resort Hotel",
       x = "Arrival Date Month",
       y = "Number of Arrivals")
```

Distribution of Arrivals at Hotel by Month of the Year
Faceted by City vs. Resort Hotel

