Using the tidyverse

Dplyr Queries

Use the `flights` dataset from `nycflights13` for the following exercises:

```r
# install.packages("nycflights13")
library(nycflights13) # Loading the flights dataset
```

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1. Find the long-distance flights (>2500 miles) that departed in spring 2013.

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2. Sort the flights by day of the month (ascending) and departure delay (descending)

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3. Select the carrier and the tail-number of the flights.

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4. Create a unique ID for each flight and calculate the flight-distance in kilometers (distance is reported in miles).

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5. Find the minimum, average, and maximum arrival-delay for all flights.

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6. For each flight, find the difference of the arrival-delay to the average arrival-delay of the respective airline (carrier).

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7. For each airline, find the mean and median arrival over all flights of 2013.