## Lab 09: Strings

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```
library(tidyverse)
library(nycflights13)
```

In this lab we will do some basic string manipulation using the flights data.

1.

The tailnum variable is a unique ID for a plane. We want to see how many different possible lengths this ID can have, in this dataset, and if it varies across carriers.

To do this

- Create a new variable tail\_len which gives the number of characters in the tail number for each flight.
- Use group\_by to get the mean and sd of tail\_len for each carrier. You will need to deal with NA values. How many carriers have planes with tail numbers shorter than 6?
- 2. Create a new variable carr\_id in this dataset which combines the carrier code and the tail number, with the separator \_.
- 3. In the planes datset, Airbus planes are given in the model variable by an ID that starts with A followed by numbers. The first 3 numbers after A are most important. Write a regular expression to extract these codes (A and the 3 numbers directly after it) from the model column. Store this in a vector, keeping only the non missing values.