Combining Multiple Tables2

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September 9, 2020

Combining Multiple Tables

Today we will discuss the a few more ideas from Chapter 4 and go over some of the current homework. In particular how to deal with dates to weeks.

The dataset we are looking at in the homework is the *nycflights13* dataset.

Tables:

```
flights
airlines
planes
airports
```

Review

pipeline using the pipe **%>%**

On page 73 there is a nice way to think about this.

```
df %>% f(y)
```

means

```
f(df,y)
```

Review

keys

On page 79 there is a reference to *keys* in *relational database management systems*.

keys are what are used to merge two data tables together.

primary key and **foreign key**

The *primary key* is in the first table and *foreign key* is in the second table.

Review

paste() and **paste0()**

These functions can be used to combine strings together.

With the 0 there is no space added.

Good news. There is a newer package that does the same thing but a bit nicer. See the **glue** package and the function *glue()*.

Homework

In the homework a variable needs to be created to give weeks of the year? How do we do this? Do a google search.

Combining Three Date Variables in R

How to get week numbers from dates?