Combining Multiple Tables

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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
pipeline using the pipe \texttt{\%>\%}

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

\texttt{df \%>\% f(y)}

means

\texttt{f(df, y)}
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.
**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()**.
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?