

Specifying keys for the match

```
flights2 %>%
  left_join(planes, by = "tailnum")
#> # A tibble: 336,776 x 16
#>   year.x month   day hour origin dest tailnum carrier year.y type
#>   <int> <int> <int> <dbl> <chr> <chr> <chr>   <chr>   <int> <chr>
#> 1  2013     1     1     5 EWR   IAH   N14228  UA       1999 Fixe...
#> 2  2013     1     1     5 LGA   IAH   N24211  UA       1998 Fixe...
#> 3  2013     1     1     5 JFK   MIA   N619AA  AA       1990 Fixe...
#> 4  2013     1     1     5 JFK   BQN   N804JB  B6       2012 Fixe...
#> 5  2013     1     1     6 LGA   ATL   N668DN  DL       1991 Fixe...
#> 6  2013     1     1     5 EWR   ORD   N39463  UA       2012 Fixe...
#> # ... with 3.368e+05 more rows, and 6 more variables: manufacturer <chr>,
#> #   model <chr>, engines <int>, seats <int>, speed <int>, engine <chr>
```

You can choose the variables that are used with the `by` argument

Variables might have different names in different tables

```
flights2 %>%
  left_join(airports, c("dest" = "faa"))
#> # A tibble: 336,776 x 15
#>   year month   day hour origin dest tailnum carrier name   lat   lon   alt
#>   <int> <int> <int> <dbl> <chr>  <chr> <chr>   <chr>   <chr> <dbl> <dbl> <dbl>
#> 1  2013     1     1     5  EWR   IAH  N14228  UA      Geor... 30.0 -95.3   97
#> 2  2013     1     1     5  LGA   IAH  N24211  UA      Geor... 30.0 -95.3   97
#> 3  2013     1     1     5  JFK   MIA  N619AA  AA      Miam... 25.8 -80.3    8
#> 4  2013     1     1     5  JFK   BQN  N804JB  B6      <NA>   NA    NA    NA
#> 5  2013     1     1     6  LGA   ATL  N668DN  DL      Hart... 33.6 -84.4  1026
#> 6  2013     1     1     5  EWR   ORD  N39463  UA      Chic... 42.0 -87.9   668
#> # ... with 3.368e+05 more rows, and 3 more variables: tz <dbl>, dst <chr>,
#> #   tzone <chr>
```

You can choose the variables that are used with the **by** argument, which can be a list of pairs of strings that map variables to one another.