

Class Code

```
library(Lahman)
library(tidyverse)
```

```
-- Attaching core tidyverse packages ----- tidyverse 2.0.0 --
v dplyr      1.1.4      v readr      2.1.5
v forcats    1.0.0      v stringr    1.5.1
v ggplot2    3.5.2      v tibble     3.3.0
v lubridate  1.9.4      v tidyr      1.3.1
v purrr      1.1.0
-- Conflicts ----- tidyverse_conflicts() --
x dplyr::filter() masks stats::filter()
x dplyr::lag()     masks stats::lag()
i Use the conflicted package (<http://conflicted.r-lib.org/>) to force all conflicts to become
```

```
library(knitr)
```

Create top 10 Yankee career batting average

```
Yankees <-
  Batting |>
  filter(teamID == 'NYA') |>
  summarize(hits = sum(H), at_bats = sum(AB), .by = 'playerID') |>
  mutate(BA = hits/at_bats) |>
  filter(at_bats >= 2500) |>
  arrange(-BA) |>
  head(10)
```

```

Yankees |>
  left_join(select(People, playerID, nameLast, nameFirst, finalGame), by = "playerID" ) |>
  left_join(select(HallOfFame, playerID, inducted, yearID)|>
    filter(inducted!="N")
    , by = "playerID") |>
  kable()

```

| playerID | hits | at_bats | BA | nameLast | nameFirst | finalGame | inducted | yearID |
|-----------|------|---------|-----------|-----------|-----------|------------|----------|--------|
| ruthba01 | 2518 | 7216 | 0.3489468 | Ruth | Babe | 1935-05-30 | Y | 1936 |
| gehrilo01 | 2721 | 8001 | 0.3400825 | Gehrig | Lou | 1939-04-30 | Y | 1939 |
| combsea01 | 1866 | 5746 | 0.3247477 | Combs | Earle | 1935-09-29 | Y | 1970 |
| dimagjo01 | 2214 | 6821 | 0.3245858 | DiMaggio | Joe | 1951-09-30 | Y | 1955 |
| dickebi01 | 1969 | 6300 | 0.3125397 | Dickey | Bill | 1946-09-08 | Y | 1954 |
| meusebo01 | 1565 | 5032 | 0.3110095 | Meusel | Bob | 1930-09-26 | NA | NA |
| jeterde01 | 3465 | 11195 | 0.3095132 | Jeter | Derek | 2014-09-28 | Y | 2020 |
| canoro01 | 1649 | 5336 | 0.3090330 | Cano | Robinson | 2022-07-27 | NA | NA |
| mattido01 | 2153 | 7003 | 0.3074397 | Mattingly | Don | 1995-10-01 | NA | NA |
| chapmbe01 | 1079 | 3539 | 0.3048884 | Chapman | Ben | 1946-05-12 | NA | NA |