

HW 6: Tidy Tuesday

STA 199 - Fall 2023

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```
library(tidyverse)
library(openintro)
```

```
age_gaps <- read_csv('https://raw.githubusercontent.com/rfordatascience/tidytuesday/master')
```

Rows: 1155 Columns: 13

-- Column specification -----

Delimiter: ","

chr (6): movie_name, director, actor_1_name, actor_2_name, character_1_gend...

dbl (5): release_year, age_difference, couple_number, actor_1_age, actor_2_age

date (2): actor_1_birthdate, actor_2_birthdate

i Use `spec()` to retrieve the full column specification for this data.

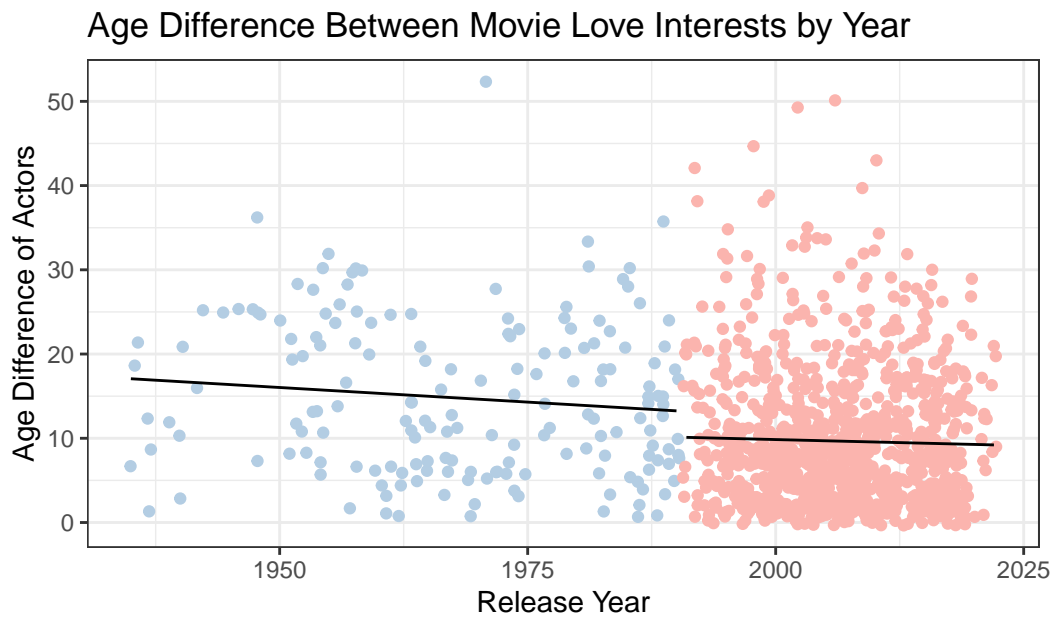
i Specify the column types or set `show_col_types = FALSE` to quiet this message.

```
age_gaps |>
  ggplot(
    aes(x = release_year, y = age_difference, color = release_year <= "1990")) +
  geom_jitter() +
  geom_smooth(aes(
    group = release_year <= "1990"), method = "lm", se = F,
    color = "black", size = .5) +
  labs(
    title = "Age Difference Between Movie Love Interests by Year",
    x = "Release Year",
    y = "Age Difference of Actors",
    color = "",
    caption = "Color of points for before and after 1990") +
```

```
theme_bw() +
  theme(legend.position = 'none') +
  scale_color_brewer(palette = "Pastel1")
```

Warning: Using `size` aesthetic for lines was deprecated in ggplot2 3.4.0.
 i Please use `linewidth` instead.

`geom_smooth()` using formula = 'y ~ x'



Color of points for before and after 1990