**[NFL Stadium Attendance](https://github.com/rfordatascience/tidytuesday/blob/master/data/2020/2020-02-04/readme.md" \l "nfl-stadium-attendance)**

The data this week comes from Pro Football Reference [team standings](https://www.pro-football-reference.com/years/2019/index.htm). Additional data on attendance also comes from Pro Football Reference [here](https://www.pro-football-reference.com/years/2019/attendance.htm).

[**Data Dictionary**](https://github.com/rfordatascience/tidytuesday/blob/master/data/2020/2020-02-04/readme.md#data-dictionary)

These can be joined relatively nicely with dplyr::left\_join(by = c("year", "team\_name", "team"))

[**attendance.csv**](https://github.com/rfordatascience/tidytuesday/blob/master/data/2020/2020-02-04/readme.md#attendancecsv)

| **variable** | **class** | **description** |
| --- | --- | --- |
| team | character | Team City |
| team\_name | character | Team name |
| year | integer | Season year |
| total | double | total attendance across 17 weeks (1 week = no game) |
| home | double | Home attendance |
| away | double | Away attendance |
| week | character | Week number (1-17) |
| weekly\_attendance | double | Weekly attendance number |

[**standings.csv**](https://github.com/rfordatascience/tidytuesday/blob/master/data/2020/2020-02-04/readme.md#standingscsv)

| **variable** | **class** | **description** |
| --- | --- | --- |
| team | character | Team city |
| team\_name | character | Team name |
| year | integer | season year |
| wins | double | Wins (0 to 16) |
| loss | double | Losses (0 to 16) |
| points\_for | double | points for (offensive performance) |
| points\_against | double | points for (defensive performance) |
| points\_differential | double | Point differential (points\_for - points\_against) |
| margin\_of\_victory | double | (Points Scored - Points Allowed)/ Games Played |
| strength\_of\_schedule | double | Average quality of opponent as measured by SRS (Simple Rating System) |
| simple\_rating | double | Team quality relative to average (0.0) as measured by SRS (Simple Rating System) SRS = MoV + SoS = OSRS + DSRS |
| offensive\_ranking | double | Team offense quality relative to average (0.0) as measured by SRS (Simple Rating System) |
| defensive\_ranking | double | Team defense quality relative to average (0.0) as measured by SRS (Simple Rating System) |
| playoffs | character | Made playoffs or not |
| sb\_winner | character | Won superbowl or not |

[**games.csv**](https://github.com/rfordatascience/tidytuesday/blob/master/data/2020/2020-02-04/readme.md#gamescsv)

| **variable** | **class** | **description** |
| --- | --- | --- |
| year | integer | season year, note that playoff games will still be in the previous season |
| week | character | week number (1-17, plus playoffs) |
| home\_team | character | Home team |
| away\_team | character | Away team |
| winner | character | Winning team |
| tie | character | If a tie, the "losing" team as well |
| day | character | Day of week |
| date | character | Date minus year |
| time | character | Time of game start |
| pts\_win | double | Points by winning team |
| pts\_loss | double | Points by losing team |
| yds\_win | double | Yards by winning team |
| turnovers\_win | double | Turnovers by winning team |
| yds\_loss | double | Yards by losing team |
| turnovers\_loss | double | Turnovers by losing team |
| home\_team\_name | character | Home team name |
| home\_team\_city | character | Home team city |
| away\_team\_name | character | Away team name |
| away\_team\_city | character | Away team city |