Package 'topChef'

June 21, 2023

Type Package

Title Top Chef Data

Version 0.1.0

Description Several datasets which describe the chef contestants in Top Chef,
the challenges that they compete in, and the results of those challenges.
This data is useful for practicing data wrangling, graphing, and analyzing
how each season of Top Chef played out.

URL <https://github.com/celevitz/topChef>

BugReports <https://github.com/celevitz/topChef/issues>

Depends R (>= 4.2.0)

Imports tidyr (>= 1.3.0), dplyr (>= 1.1.0)

License MIT + file LICENSE

Encoding UTF-8

LazyData true

RoxygenNote 7.2.3

Suggests knitr, rmarkdown, testthat (>= 3.0.0), gt (>= 0.9.0),
magrittr (>= 2.0.0), ggplot2 (>= 3.4.0)

Config/testthat/edition 3

VignetteBuilder knitr

Language en-US

NeedsCompilation no

Author Levitz Carly E [cre, aut, cph]

Maintainer Levitz Carly E <celevitz@gmail.com>

Repository CRAN

Date/Publication 2023-06-21 09:10:02 UTC

R topics documented:

---

challengedescriptions *challengedescriptions*

Description

A dataset containing information about each challenge that the Chefs compete in

Usage

```
data(challengedescriptions)
```

Format

This data frame contains the following columns:

season Name of season

seasonNumber Season number

series Top Chef US (listed as US); Top Chef US Masters (listed as US Masters); Top Chef Canada
(listed as Canada)

episode Episode number

challengeType Challenge type: qualifying challenge, elimination, quickfire, sudden death quick-
fire, quickfire elimination, battle of the sous chefs

outcomeType Is the challenge run as a team or as an individual?

challengeDescription Description of the challenge

shopTime If they go shopping, how long do they have? Unit is minutes

shopBudget If they go shopping, what is their budget? Unit is dollars unless otherwise specified.

prepTime If they have prep time, how long do they have? Unit is minutes

cookTime How long they have to cook (in minutes)

productPlacement List of products promoted in the challenge, other than the usual series-wide
product placement. Will be blank if none were mentioned

advantage If an advantage is offered to the winner of the challenge, it will be listed here: e.g., Im-
munity, choosing a protein in the elimination challenge, choosing your team in the elimination
challenge. Will be blank if none were mentioned.

lastChanceKitchenWinnerEnters If someone comes in from Last Chance Kitchen at this challenge, their name will be listed here. Will be blank for all other challenges.

restaurantWarWinner Role played by the winner of restaurant wars: Executive Chef, Front of House, the full team, Line Cook, Roles Rotated, or No one won. Will only have values for Restaurant War episodes.

restaurantWarEliminated Role played by the Chef eliminated after restaurant wars: Executive Chef, Front of House, the full team, Line Cook, Roles Rotated. Will only have values for Restaurant War episodes.

didJudgesVisitWinningTeamFirst Categorical variable of which team was shown serving the judges first. Will only have values for Restaurant Wars episodes.

Source

<https://en.wikipedia.org/wiki/Top_Chef>

Examples

```
library(dplyr)
library(tidyr)
challengedescriptions %>%
   group_by(series,season,outcomeType) %>%
   summarise(n=n()) %>%
   pivot_wider(names_from=outcomeType,values_from=n)
```

---

challengewins   *challengewins*

Description

A dataset containing win and loss data for each chef in each episode

Usage

```
data(challengewins)
```

Format

This data frame contains the following columns:

season Name of season

seasonNumber Season number

series Top Chef US (listed as US); Top Chef US Masters (listed as US Masters); Top Chef Canada (listed as Canada)

episode Episode number

inCompetition True / false for whether the Chef was still in the competition at the time of the challenge

chef Name of chef

challengeType Challenge type: qualifying challenge, elimination, quickfire, sudden death quick-
fire, quickfire elimination, battle of the sous chefs

outcome Result for each Chef in the competition for that challenge

rating Numeric rating provided to chefs in Top Chef US Masters Seasons 1 and 2. Will be blank
for all other seasons.

Source

<https://en.wikipedia.org/wiki/Top_Chef>

Examples

```
library(dplyr)
library(tidyr)
challengewins %>%
  group_by(outcome) %>%
  summarise(n=n())
```

---

chefdetails   *chefdetails*

Description

A dataset containing information on each Chef for each season. As of now, it has data for all Top
Chef US seasons, Top Chef Masters (US), and one season of Top Chef Canada.

Usage

```
data(chefdetails)
```

Format

This data frame contains the following columns:

name Chef name (full name)

chef Shorter version of the chef's name

hometown Chef's hometown, if known

city City in which the Chef lived at the time of show

state State in which the Chef lived at the time of the show

age Age of Chef at the time of the show

season Name of season

seasonNumber Season number

series Top Chef US (listed as US); Top Chef US Masters (listed as US Masters); Top Chef Canada
(listed as Canada)

placement Final result of the Chef.

personOfColor Flag for whether the Chef is a person of color. Will be blank if they are not

occupation Occupation of Chef at time of show, if known

gender Gender of Chef

Source

Examples

```
library(dplyr)
library(tidyr)
chefdetails %>%
  filter(season == "World All Stars")
```

---

episodeinfo	*episodeinfo*

Description

A dataset containing information about each episode

Usage

```
data(episodeinfo)
```

Format

This data frame contains the following columns:

season Name of season

seasonNumber Season number

series Top Chef US (listed as US); Top Chef US Masters (listed as US Masters); Top Chef Canada
     (listed as Canada)

overallEpisodeNumber Running number of episode within the series

episode Episode number

episodeName Name of episode

airDate Date the episode originally aired

nCompetitors Number of Chefs still in the competition

Source

Examples

```
library(dplyr)
library(tidyr)
episodeinfo %>% filter(season=="World All Stars")
```

---

judges	*judges*

Description

A dataset containing information about who were the guest judges for each challenge

Usage

```
data(judges)
```

Format

This data frame contains the following columns:

season Name of season

seasonNumber Season number

series Top Chef US (listed as US); Top Chef US Masters (listed as US Masters); Top Chef Canada (listed as Canada)

episode Episode number

challengeType Challenge type: qualifying challenge, elimination, quickfire, sudden death quick-fire, quickfire elimination, battle of the sous chefs

outcomeType Is the challenge run as a team or as an individual?

guestJudge Name of guest judge

competedOnTC Will have a value of Yes if they competed on a season of Top Chef

otherShows Information about other shows that this individual has appeared on

Source

<https://en.wikipedia.org/wiki/Top_Chef>

Examples

```
library(dplyr)
library(tidyr)
judges %>%
  filter(guestJudge == "Eric Ripert") %>%
  group_by(challengeType) %>%
  summarise(n=n())
```

rewards	*rewards*

Description

A dataset containing information about rewards and prizes won by challenge

Usage

```
data(rewards)
```

Format

This data frame contains the following columns:

season Name of season

seasonNumber Season number

series Top Chef US (listed as US); Top Chef US Masters (listed as US Masters); Top Chef Canada (listed as Canada)

episode Episode number

challengeType Challenge type: qualifying challenge, elimination, quickfire, sudden death quickfire, quickfire elimination, battle of the sous chefs

outcomeType Is the challenge run as a team or as an individual?

rewardType Variable describing whether the reward is money or a prize

reward Description of the full reward

chef Name of chef

Source

<https://en.wikipedia.org/wiki/Top_Chef>

Examples

```
library(dplyr)
library(tidyr)
rewards %>%
  filter(rewardType == "Money") %>%
  mutate(reward=as.numeric(reward)) %>%
  group_by(season) %>%
  summarise(total=sum(reward))
```

---

weightedindex *Calculate One Season's Chef's Weighted Scores (Index)*

Description

Calculates the Index score for each person within a season of Top Chef.

Usage

```
weightedindex(
  seriesname,
  seasonnumberofchoice,
  numberofelimchalls,
  numberofquickfires
)
```

Arguments

seriesname   Values can be: US, US Masters, Canada

seasonnumberofchoice

                 Integer of the season number within the series

numberofelimchalls

                 Number of elimination challenges you want to include in the index

numberofquickfires

                 Number of quickfire challenges you want to include in the index

Details

The result of elimination challenges and quickfire challenges are weighted. Scoring: Elimination win = +7 points. Elimination high = +3 points. Elimination low = -3 points. Eliminated = -7 points. Quickfire win = +4 points. Quickfire high = +2 points. Quickfire low = -2 points. Combines Sudden Death Quickfires with Eliminations Excludes Qualifying Challenges Holding constant the number of elimination challenges and quickfire challenges will allow comparison across seasons if you want

Value

Tibble of index score for each contestant in that season and their placement

Index