Package ‘touRnamentofchampions’

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Type Package
Title Tournament of Champions Data
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Description Several datasets which describe the challenges and results of competitions in Tournament of Champions. This data is useful for practicing data wrangling, graphing, and analyzing how each season of Tournament of Champions played out.
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Description

A dataset containing information on each Chef, which is the same for all seasons

Usage

data(chefs)

Format

This data frame contains the following columns:

- chef  Chef name (full name)
- nickname  Guy Fieri’s nickname for the chef
- handedness  Whether the chef is right-handed, left-handed, or ambidextrous
- gender  Whether the chef is male, female, or non-binary

Source


Examples

library(tidyverse)
chefs %>%
filter(gender == "female")
**judges**

### Description

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

### Usage

```r
data(judges)
```

### Format

This data frame contains the following columns:

- **season**: Season number
- **episode**: Episode number
- **judge**: Name of guest judge
- **gender**: Whether the chef is male, female, or non-binary
- **round**: Stage of the tournament: Qualifier semi-final, Qualifier final, Round of 32, Round of 16, Quarterfinals, Semifinals, Final

### Source


### Examples

```r
library(tidyverse)
judges %>%
  filter(judge == "Ming Tsai") %>%
group_by(season, episode)
```

**randomizer**

### Description

A dataset containing information about each challenge: protein, vegetables, equipment, style, time

### Usage

```r
data(randomizer)
```
**Format**

This data frame contains the following columns:

- **season**: Season number
- **episode**: Episode number
- **round**: Stage of the tournament: Qualifier semi-final, Qualifier final, Round of 32, Round of 16, Quarterfinals, Semifinals, Final
- **challenge**: Variable to help distinguish challenges within the same Coast & Round
- **coast**: East or West
- **region**: The region depends on how many chefs start the competition. If there are 16 chefs, then the region is left blank. If there are 32 chefs, then the regions are A or B.
- **randomizer1**: First wheel of randomizer
- **randomizer2**: Second wheel of randomizer
- **randomizer3**: Third wheel of randomizer
- **randomizer4**: Fourth wheel of randomizer
- **time**: Length of challenge. Unit is minutes
- **randomizer5**: Fifth wheel of randomizer

**Source**


**Examples**

```r
library(tidyverse)
randomizer %>%
  group_by(season, episode, challenge, coast) %>%
  filter(round == "Semi-final")
```

**Description**

A dataset containing information about each challenge: protein, vegetables, equipment, style, time. However, it’s in "long form" so each challenge shows up multiple times. It categorizes the randomizer ingredients into categories and subcategories.

**Usage**

```r
data(randomizerlongform)
```
**Format**

This data frame contains the following columns:

- **season**  Season number
- **episode**  Episode number
- **round**  Stage of the tournament: Qualifier semi-final, Qualifier final, Round of 32, Round of 16, Quarterfinals, Semifinals, Final
- **challenge**  Variable to help distinguish challenges within the same Coast & Round
- **coast**  East or West
- **region**  The region depends on how many chefs start the competition. If there are 16 chefs, then the region is left blank. If there are 32 chefs, then the regions are A or B.
- **time**  Length of challenge. Unit is minutes
- **randomizer**  What wheel was spun (1, 2, 3, 4, or 5)
- **value**  What was the value/item on the randomizer wheel?
- **category**  Categorical variable: protein, produce, equipment, style, wildcard
- **subcategory**  Subcategories for protein (Beef, Fish, Game, Other, Pork, Poultry, Shellfish) and style (Region/country, Style, Theme)

**Source**


**Examples**

```r
library(tidyverse)
randomizerlongform %>%
  filter(category == "protein") %>%
  group_by(subcategory) %>%
  summarise(n=n())
```

**Description**

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

**Usage**

data(results)
Format

This data frame contains the following columns:

- season  Season number
- episode  Episode number
- round  Stage of the tournament: Qualifier semi-final, Qualifier final, Round of 32, Round of 16, Quarterfinals, Semifinals, Final
- challenge  Variable to help distinguish rounds within the same Coast & Round
- coast  East or West
- region  The region depends on how many chefs start the competition. If there are 16 chefs, then the region is left blank. If there are 32 chefs, then the regions are A or B.
- chef  Name of chef
- commentator  Who presented their food to the judges: Simon Majumdar or Justin Warner? In Qualifying rounds, it could be presented by Hunter Fieri
- order  When did their food get presented to the judges: Presented first or Presented second. In Qualifying rounds, it could be presented third or fourth.
- score_taste  Score that chef received for the taste of their dish: values of 0-50
- score_randomizer  Score that chef received for how well they used the Randomizer: values of 0-30. (Except in Season 5 Qualifying rounds, the values are 0-40.)
- score_presentation  Score that chef received for the presentation of their dish: values of 0-20. (Except in Season 5 Qualifying rounds, the values are 0-10.)
- total  Total score that chef received: between 0 and 100
- winner  Categorical variable: Winner, Loser, Tie
- x  Numeric X value to help with visualizing bracket
- y  Numeric Y value to help with visualizing bracket

Source


Examples

```r
library(tidyverse)
results %>%
group_by(season) %>%
filter(round == "Final") %>%
select(chef,season,coast,total)
```
Description

A dataset containing game-related information on each Chef for each season.

Usage

data(seeds)

Format

This data frame contains the following columns:

- chef  Chef name (full name)
- season  Season number
- seed  Seed within their section of the bracket: values of 1 through 8. Chefs that played in the
  qualifiers but didn’t make the final bracket will have seeds of 8.2, 8.3, or 8.4.
- coast  Are they East or West Coast?
- region  The region depends on how many chefs start the competition. If there are 16 chefs, then
  the region is left blank. If there are 32 chefs, then the regions are A or B.

Source


Examples

library(tidyverse)
seeds %>%
  filter(season == 1)
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