

Package ‘touRnamentofchampions’

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Type Package

Title Tournament of Champions Data

Version 0.1.0

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

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

Depends R (>= 4.2.0)

Imports tidyverse (>= 2.0.0)

Suggests testthat (>= 3.0.0)

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chefs	<i>chefs</i>
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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

[https://en.wikipedia.org/wiki/Tournament_of_Champions_\(TV_series\)](https://en.wikipedia.org/wiki/Tournament_of_Champions_(TV_series))

Examples

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

judges

judges

Description

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

Usage

```
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

[https://en.wikipedia.org/wiki/Tournament_of_Champions_\(TV_series\)](https://en.wikipedia.org/wiki/Tournament_of_Champions_(TV_series))

Examples

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

randomizer

randomizer

Description

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

Usage

```
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

[https://en.wikipedia.org/wiki/Tournament_of_Champions_\(TV_series\)](https://en.wikipedia.org/wiki/Tournament_of_Champions_(TV_series))

Examples

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

randomizerlongform *randomizer long form*

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

```
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

[https://en.wikipedia.org/wiki/Tournament_of_Champions_\(TV_series\)](https://en.wikipedia.org/wiki/Tournament_of_Champions_(TV_series))

Examples

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

results

results

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

[https://en.wikipedia.org/wiki/Tournament_of_Champions_\(TV_series\)](https://en.wikipedia.org/wiki/Tournament_of_Champions_(TV_series))

Examples

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

seeds	<i>seeds</i>
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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

[https://en.wikipedia.org/wiki/Tournament_of_Champions_\(TV_series\)](https://en.wikipedia.org/wiki/Tournament_of_Champions_(TV_series))

Examples

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

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