Description

Color palettes for sports teams

Usage

league_pal(lg, which = 1)

team_filter(pattern = ".")

team_vec(pattern = ".", which = 1)

team_pal(pattern, colors = c(1, 2))

scale_color_teams(which = 1, ...)

scale_fill_teams(which = 1, ...)

show_team_col(...)

show_ncaa_col(...)

Arguments

lg character vector for the league identifier

which Which set of colors do you want? Default is 1 for "primary"

pattern regular expression matching team names passed to filter

colors A numeric vector of colors to return. Possible values are 1:4

... arguments passed to other functions

Details

Use league_pal to return a vector of colors for a specific league.

Use team_pal to return a palette (named vector) of multiple colors for a specific team.

Value

For*_pal() functions, a named character vector of colors

For scale_*_teams() functions, a wrapper to scale_color_manual or scale_fill_manual
show_sport_col

See Also
teamcolors
show_col

Examples

league_pal("mlb", 2)
team_filter("New York")
team_vec("New York")
team_pal("Celtics")
team_pal("Lakers", 1:4)
team_pal("New York", 1:4)
if (require(Lahman) && require(dplyr) && require(ggplot2)) {
  pythag <- Teams %>%
    filter(yearID == 2016) %>%
    select(name, teamID, yearID, W, L, R, RA) %>%
    mutate(wpct = W / (W + L), exp_wpct = 1 / (1 + (RA/R)^2)) %>%
    left_join(teamcolors, by = "name")
  p <- ggplot(pythag, aes(x = wpct, y = exp_wpct, color = name, fill = name)) +
    geom_abline(slope = 1, intercept = 0, linetype = 3) +
    geom_point(shape = 21, size = 3) +
    scale_x_continuous("Winning Percentage", limits = c(0.3, 0.7)) +
    scale_y_continuous("Expected Winning Percentage", limits = c(0.3, 0.7)) +
    labs(title = "Real and Pythagorean winning % by team",
      subtitle = paste(pythag$yearID[1], "MLB Season", sep = " "),
      caption = "Source: the Lahman baseball database. Using teamcolors R pckg") +
    coord_equal()
  p +
    scale_fill_teams(name = "Team") +
    scale_color_teams(name = "Team")
}
## Not run:
show_team_col()
## End(Not run)
## Not run:
show_ncaa_col()
## End(Not run)
Usage

show_sport_col(sport, ...)

Arguments

sport character vector (basketball, soccer, football, hockey)

... arguments passed to other functions

See Also

show_col

Examples

show_sport_col(sport = "soccer")

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teamcolors  

**Color palettes for professional sports teams**

Description

Color palettes for professional sports teams

Usage

teamcolors

Format

A data frame with one row for each professional team and five variables:

- name the name of the team as they are presented in the teamcolors dataset
- league the league in which the team plays
- primary the team’s primary color
- secondary the team’s secondary color
- tertiary the team’s tertiary color
- quaternary the team’s quaternary color
- division the team’s division
- location the team’s location, not standardized
- mascot the team’s mascot
- sportslogos_name the name of the team as they are presented on the sportslogos website
- logo URL to the team’s logo, hosted by http://www.sportslogos.net
teamcolors

Details
The colors given are HTML hexadecimal values. See colors for more information.

Source

Examples
data(teamcolors)

if (require(Lahman) & require(dplyr)) {
  pythag <- Teams %>%
    filter(yearID == 2014) %>%
    select(name, W, L, R, RA) %>%
    mutate(wpct = W / (W+L), exp_wpct = 1 / (1 + (RA/R)^2)) %>%
    # St. Louis Cardinals do not match
    left_join(teamcolors, by = "name")
  with(pythag, plot(exp_wpct, wpct, bg = primary, col = secondary, pch = 21, cex = 3))
}

# Using ggplot2
if (require(ggplot2)) {
  ggplot(pythag, aes(x = wpct, y = exp_wpct, color = name, fill = name)) +
  geom_abline(slope = 1, intercept = 0, linetype = 3) +
  geom_point(shape = 21, size = 3) +
  scale_fill_manual(values = pythag$primary, guide = FALSE) +
  scale_color_manual(values = pythag$secondary, guide = FALSE) +
  geom_text(aes(label = substr(name, 1, 3))) +
  scale_x_continuous("Winning Percentage", limits = c(0.3, 0.7)) +
  scale_y_continuous("Expected Winning Percentage", limits = c(0.3, 0.7)) +
  coord_equal()
}
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