

Package: bananas (via r-universe)

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Type Package

Title Data Set of Ripening Bananas

Version 0.1.0

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Description Color information about ripening bananas over 21 days.

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Encoding UTF-8

LazyData true

URL <https://github.com/psolymos/bananas>

RoxygenNote 7.2.3

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Repository <https://psolymos.r-universe.dev>

RemoteUrl <https://github.com/psolymos/bananas>

RemoteRef HEAD

RemoteSha fe563c766f2043605ea6fa20ed81f3671a26d567

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bananas	<i>Data Set of Ripening Bananas</i>
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Description

Color information about ripening bananas over 21 days.

Usage

bananas

banana_colors

Format

A data frame with 220 rows and 19 columns for bananas. A character vector with 10 values for banana_colors.

An object of class data.frame with 220 rows and 8 columns.

An object of class character of length 10.

Details

The data set contains these columns:

- fruit: fruit ID (first digit refers to the bunch, second digit that individual fruit);
- ripeness: ripeness class (under ripe , ripe, very ripe, over ripe);
- ripe: 0/1 indicator (ripeness == "ripe");
- treatment: Fridge or basement Room temperature, fruits were randomly assigned;
- day: days since the start of the study;
- green: proportion of pixels classified as green relative to the visible surface area;
- yellow: proportion of pixels classified as yellow relative to the visible surface area;
- brown: proportion of pixels classified as brown relative to the visible surface area.

The vector has the following colors:

- w: white ("#ffffff");
- g1: dark green ("#576a26");
- g2: green ("#919e39");
- yg: yellow-green ("#b1ab3e");
- y1: yellow ("#d6c350");
- y2: light yellow ("#eece5a");
- yb: yellow-brown ("#d1a123");
- b1: light brown ("#966521");
- b2: brown ("#5c361f");
- b3: dark brown ("#261d19").

Examples

```
head(bananas)
str(bananas)
summary(bananas)
```

```
banana_colors
```

```
x <- bananas[bananas$treatment == "Room",]
```

```
plot(x = jitter(x$day, 0.5), y = x$green,
     col = banana_colors["g1"], pch = 19,
     xlab = "Days", ylab = "Proportion", ylim = c(0, 1))
points(x = jitter(x$day, 0.5), y = x$yellow,
       col = banana_colors["y2"], pch = 19)
points(x = jitter(x$day, 0.5), y = x$brown,
       col = banana_colors["b2"], pch = 19)
lines(lowess(x = x$day, y = x$green, f = 0.3),
      col = banana_colors["g1"], lwd = 3)
lines(lowess(x = x$day, y = x$yellow, f = 0.3),
      col = banana_colors["y2"], lwd = 3)
lines(lowess(x = x$day, y = x$brown, f = 0.3),
      col = banana_colors["b2"], lwd = 3)
```

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