

Package: nmfspalette (via r-universe)

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Title A Color Palette for NOAA Fisheries

Version 3.0.0.000

Description This is a package that implements a color palette in line with the NOAA Fisheries Branding Guide.

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Imports ggplot2

Suggests dplyr, testthat

Config/Needs/website rsconnect, xaringan

Encoding UTF-8

LazyData true

Roxygen list(markdown = TRUE)

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Repository <https://noaa-fisheries-integrated-toolbox.r-universe.dev>

RemoteUrl <https://github.com/nmfs-fish-tools/nmfspalette>

RemoteRef HEAD

RemoteSha a56e8ae0d047f82b023f8872659bf454a72ae411

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`display_nmfs_palette` *Return function to interpolate a nmfs color palette*

Description

Return function to interpolate a nmfs color palette

Usage

```
display_nmfs_palette(name, n, ...)
```

Arguments

| | |
|-------------------|---|
| <code>name</code> | Character name of palette in <code>nmfs_palettes</code> |
| <code>n</code> | Number of colors in palette |
| <code>...</code> | Additional arguments to pass to <code>image()</code> |

Examples

```
display_nmfs_palette("oceans", 10)
```

`nmfspalette` *nmfspalette: A package for NOAA Fisheries color schemes*

Description

The `nmfspalette` package provides functions to extract colors, color palettes, and use `ggplot2` palettes in R.

Details

This package contains functions to support graphing in base R and `ggplot2` using NOAA Fisheries colors.

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| | |
|-----------|---|
| nmfs_cols | <i>Function to extract nmfs colors as hex codes</i> |
|-----------|---|

Description

Function to extract nmfs colors as hex codes

Usage

```
nmfs_cols(...)
```

Arguments

... Character names of nmfs_colors

Examples

```
nmfs_cols("processblue")
```

| | |
|--------------|--|
| nmfs_palette | <i>Return function to interpolate a nmfs color palette</i> |
|--------------|--|

Description

Return function to interpolate a nmfs color palette

Usage

```
nmfs_palette(palette = "oceans", reverse = FALSE, ...)
```

Arguments

palette Character name of palette in nmfs_palettes
reverse Boolean indicating whether the palette should be reversed
... Additional arguments to pass to colorRampPalette()

Examples

```
nmfs_palette("oceans")(10)
```

scale_color_nmfs *Color scale constructor for nmfs colors*

Description

Color scale constructor for nmfs colors

Usage

```
scale_color_nmfs(palette = "oceans", discrete = TRUE, reverse = FALSE, ...)
```

Arguments

| | |
|----------|--|
| palette | Character name of palette in nmfs_palettes |
| discrete | Boolean indicating whether color aesthetic is discrete or not |
| reverse | Boolean indicating whether the palette should be reversed |
| ... | Additional arguments passed to discrete_scale() or scale_color_gradientn(), used respectively when discrete is TRUE or FALSE |

Examples

```
## Not run:
ggplot(iris, aes(Sepal.Width, Sepal.Length, color = Species)) +
  geom_point(size = 4) +
  scale_color_nmfs("coral")

## End(Not run)
```

scale_fill_nmfs *Fill scale constructor for nmfs colors*

Description

Fill scale constructor for nmfs colors

Usage

```
scale_fill_nmfs(palette = "oceans", discrete = TRUE, reverse = FALSE, ...)
```

Arguments

| | |
|----------|---|
| palette | Character name of palette in nmfs_palettes |
| discrete | Boolean indicating whether color aesthetic is discrete or not |
| reverse | Boolean indicating whether the palette should be reversed |
| ... | Additional arguments passed to discrete_scale() or scale_fill_gradientn(), used respectively when discrete is TRUE or FALSE |

Examples

```
## Not run:  
ggplot(mpg, aes(manufacturer, fill = manufacturer)) +  
  geom_bar() +  
  theme(axis.text.x = element_text(angle = 45, hjust = 1)) +  
  scale_fill_nmfs(palette = "crustacean", discrete = FALSE)  
  
## End(Not run)
```

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