Package ‘mdthemes’

June 14, 2020

Title Markdown Themes for 'ggplot2'

Version 0.1.0

Description A collection of 'ggplot2' themes that render text as markdown/HTML. This enables the creation of complex formatted plot labels, e.g. titles with individual words highlighted in different colors.

Depends R (>= 3.5)

Imports cowplot, hrbrthemes, ggplot2 (>= 3.3.0), ggtext, ggthemes, tvthemes

Suggests glue

License MIT + file LICENSE

Encoding UTF-8

LazyData true

RoxygenNote 7.1.0

NeedsCompilation no

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as_md_theme

Turn a Usual Theme into a Markdown Theme

Description
Transform any \{ggplot2\} theme into a theme that renders text as markdown

Usage
as_md_theme(theme, all_plain = TRUE)

Arguments
theme An object of class theme
all_plain logical. Should all text be plain by default?

Value
An object of class theme that can be added to any ggplot

Examples
library(ggplot2)
data(mtcars)

# Create a custom theme
my_theme <- theme_gray() +
  theme(
    panel.grid.minor = element_blank(),
    panel.grid.major = element_blank()
  )
p <- ggplot(mtcars, aes(hp)) +
geom_histogram() +
ggtitle("Mixing **bold** and *italics* is easy")

# Text is not rendered
p + my_theme

# Text is rendered properly
p + as_md_theme(my_theme)
Description

{tvthemes} themes supporting markdown syntax

Usage

md_theme_avatar(...)

md_theme_brooklyn99(...)

md_theme_hildaDay(...)

md_theme_hildaDusk(...)

md_theme_hildaNight(...)

md_theme_parksAndRec(...)

md_theme_parksAndRec_light(...)

md_theme_parksAndRecLight(...)

md_theme_rickAndMorty(...)

md_theme_simpsons(...)

md_theme_spongeBob(...)

md_theme_theLastAirbender(...)

Arguments

... Arguments passed on to the corresponding theme in package {tvthemes}

Value

An object of class theme that can be added to any ggplot

See Also

as_md_theme()
Examples

```r
library(ggplot2)
data(mtcars)

p <- ggplot(mtcars, aes(hp, mpg)) +
  geom_point() +
  labs(
    title = "A **bold** title",
    subtitle = "An *italics* subtitle",
    caption = "A <span style = 'color:blue'>blue</span> caption"
  )

# With a 'usual' theme the text is not rendered
p

# By adding an 'md' theme the text is rendered properly
p + md_theme_simpsons()
```

---

**md_theme_base**

**ggthemes Markdown Themes**

---

**Description**

{ggthemes} themes supporting markdown syntax

**Usage**

- `md_theme_base(...)`
- `md_theme_calc(...)`
- `md_theme_clean(...)`
- `md_theme_economist(...)`
- `md_theme_economist_white(...)`
- `md_theme_excel(...)`
- `md_theme_excel_new(...)`
- `md_theme_few(...)`
- `md_theme_fivethirtyeight(...)`
- `md_theme_foundation(...)`
**Arguments**

... Arguments passed on to the corresponding theme in package `{ggthemes}`

**Value**

An object of class `theme` that can be added to any `ggplot`

**See Also**

`as_md_theme()`

**Examples**

```r
library(ggplot2)
data(mtcars)

p <- ggplot(mtcars, aes(hp, mpg)) +
  geom_point() +
  labs(
    title = "A **bold** title",
    subtitle = "An *italics* subtitle",
    caption = "A <span style = 'color:blue'>blue</span> caption"
  )

# With a 'usual' theme the text is not rendered
```
By adding an `md` theme the text is rendered properly

```
p + md_theme_excel_new()
```

---

**md_theme_cowplot**

cowplot Markdown Themes

### Description

{cowplot} themes supporting markdown syntax

### Usage

```
md_theme_cowplot(...)  
md_theme_half_open(...)  
md_theme_map_cow(...)  
md_theme_minimal_grid(...)  
md_theme_minimal_hgrid(...)  
md_theme_minimal_vgrid(...)  
md_theme_nothing(...)  
```

### Arguments

```
...  
```

Arguments passed on to the corresponding theme in package `{cowplot}`

### Value

An object of class theme that can be added to any `ggplot`

### See Also

`as_md_theme()`

### Examples

```
library(ggplot2)  
data(mtcars)  
  
p <- ggplot(mtcars, aes(hp, mpg)) +  
   geom_point() +  
   labs(
title = "A **bold** title",
subtitle = "An *italics* subtitle",
caption = "A <span style = 'color:blue'>blue</span> caption"
)

# With a 'usual' theme the text is not rendered
p

# By adding an 'md' theme the text is rendered properly
p + md_theme_minimal_grid()

---

**md_theme_ft_rc**

hrbrthemes Markdown Themes

**Description**

{hrbrthemes} themes supporting markdown syntax

**Usage**

md_theme_ft_rc(...)

md_theme_ipsum(...)

md_theme_ipsum_ps(...)

md_theme_ipsum_rc(...)

md_theme_ipsum_tw(...)

md_theme_modern_rc(...)

**Arguments**

... Arguments passed on to the corresponding theme in package {hrbrthemes}

**Value**

An object of class theme that can be added to any ggplot

**See Also**

as_md_theme()
Examples

```r
library(ggplot2)
data(mtcars)

p <- ggplot(mtcars, aes(hp, mpg)) +
  geom_point() +
  labs(
    title = "A **bold** title",
    subtitle = "An *italics* subtitle",
    caption = "A <span style = 'color:blue'>blue</span> caption"
  )

# With a 'usual' theme the text is not rendered
p

# By adding an 'md' theme the text is rendered properly
p + md_theme_ipsum("sans")
```

---

### md_theme_gray

#### ggplot2 Markdown Themes

<table>
<thead>
<tr>
<th>Description</th>
<th>{ggplot2} themes supporting markdown syntax</th>
</tr>
</thead>
</table>

#### Usage

- `md_theme_gray(...)`
- `md_theme_grey(...)`
- `md_theme_bw(...)`
- `md_theme_linedraw(...)`
- `md_theme_light(...)`
- `md_theme_dark(...)`
- `md_theme_minimal(...)`
- `md_theme_classic(...)`

#### Arguments

... Arguments passed on to the corresponding theme in package {ggplot2}
**md_theme_gray**

**Value**

An object of class theme that can be added to any ggplot

**See Also**

`as_md_theme()`

**Examples**

```r
library(ggplot2)
data(mtcars)

p <- ggplot(mtcars, aes(hp, mpg)) +
  geom_point() +
  labs(
    title = "A **bold** title",
    subtitle = "An *italics* subtitle",
    caption = "A <span style = 'color:blue'>blue</span> caption"
  )

# With a 'usual' theme the text is not rendered
p

# By adding an 'md' theme the text is rendered properly
p + md_theme_gray()
```
<table>
<thead>
<tr>
<th>Theme</th>
<th>Description</th>
<th>Page(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>as_md_theme</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>as_md_theme()</td>
<td></td>
<td>3, 5-7, 9</td>
</tr>
<tr>
<td>md_theme_avatar</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>md_theme_base</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>md_theme_brooklyn99</td>
<td>md_theme_avatar</td>
<td>3</td>
</tr>
<tr>
<td>md_theme_bw</td>
<td>md_theme_gray</td>
<td>8</td>
</tr>
<tr>
<td>md_theme_calc</td>
<td>md_theme_base</td>
<td>4</td>
</tr>
<tr>
<td>md_theme_classic</td>
<td>md_theme_gray</td>
<td>8</td>
</tr>
<tr>
<td>md_theme_clean</td>
<td>md_theme_base</td>
<td>4</td>
</tr>
<tr>
<td>md_theme_cowplot</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>md_theme_dark</td>
<td>md_theme_gray</td>
<td>8</td>
</tr>
<tr>
<td>md_theme_economist</td>
<td>md_theme_base</td>
<td>4</td>
</tr>
<tr>
<td>md_theme_economist_white</td>
<td></td>
<td>4, 8</td>
</tr>
<tr>
<td>md_theme_excel</td>
<td>md_theme_base</td>
<td>4</td>
</tr>
<tr>
<td>md_theme_excel_new</td>
<td>md_theme_base</td>
<td>4</td>
</tr>
<tr>
<td>md_theme_few</td>
<td>md_theme_base</td>
<td>4</td>
</tr>
<tr>
<td>md_theme_fivethirtyeight</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>md_theme_foundation</td>
<td>md_theme_base</td>
<td>4</td>
</tr>
<tr>
<td>md_theme_gdocs</td>
<td>md_theme_base</td>
<td>4</td>
</tr>
<tr>
<td>md_theme_gray</td>
<td></td>
<td>8</td>
</tr>
<tr>
<td>md_theme_grey</td>
<td>md_theme_gray</td>
<td>8</td>
</tr>
<tr>
<td>md_theme_half_open</td>
<td>md_theme_cowplot</td>
<td>6</td>
</tr>
<tr>
<td>md_theme_hc</td>
<td>md_theme_base</td>
<td>4</td>
</tr>
<tr>
<td>md_theme_hildaDay</td>
<td>md_theme_avatar</td>
<td>3</td>
</tr>
<tr>
<td>md_theme_hildadusk</td>
<td>md_theme_avatar</td>
<td>3</td>
</tr>
<tr>
<td>md_theme_hildanight</td>
<td>md_theme_avatar</td>
<td>3</td>
</tr>
<tr>
<td>md_theme_igray</td>
<td>md_theme_base</td>
<td>4</td>
</tr>
<tr>
<td>md_theme_ipsnum</td>
<td>md_theme_ft_rc</td>
<td>7</td>
</tr>
<tr>
<td>md_theme_ipsnum_ps</td>
<td>md_theme_ft_rc</td>
<td>7</td>
</tr>
<tr>
<td>md_theme_ipsnum_rc</td>
<td>md_theme_ft_rc</td>
<td>7</td>
</tr>
<tr>
<td>md_theme_ipsnum_tw</td>
<td>md_theme_ft_rc</td>
<td>7</td>
</tr>
<tr>
<td>md_theme_light</td>
<td>md_theme_gray</td>
<td>8</td>
</tr>
<tr>
<td>md_theme_linedraw</td>
<td>md_theme_gray</td>
<td>8</td>
</tr>
<tr>
<td>md_theme_map_cow</td>
<td>md_theme_cowplot</td>
<td>6</td>
</tr>
<tr>
<td>md_theme_map_gg</td>
<td>md_theme_base</td>
<td>4</td>
</tr>
<tr>
<td>md_theme_minimal</td>
<td>md_theme_gray</td>
<td>8</td>
</tr>
<tr>
<td>md_theme_minimal_grid</td>
<td>(md_theme_cowplot)</td>
<td>6</td>
</tr>
<tr>
<td>md_theme_minimal_hgrid</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>md_theme_minimal_vgrid</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>md_theme_modern_rc</td>
<td>md_theme_ft_rc</td>
<td>7</td>
</tr>
<tr>
<td>md_theme_nothing</td>
<td>md_theme_cowplot</td>
<td>6</td>
</tr>
<tr>
<td>md_theme_pander</td>
<td>md_theme_base</td>
<td>4</td>
</tr>
<tr>
<td>md_theme_parksAndRec</td>
<td>md_theme_base</td>
<td>4</td>
</tr>
<tr>
<td>md_theme_parksAndRec_light</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>md_theme_parksAndRecLight</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>md_theme_parksAndRecRickAndMorty</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>md_theme_simpsons</td>
<td>md_theme_base</td>
<td>3</td>
</tr>
<tr>
<td>md_theme_solarized</td>
<td>md_theme_base</td>
<td>4</td>
</tr>
<tr>
<td>md_theme_solarized_2</td>
<td>md_theme_base</td>
<td>4</td>
</tr>
<tr>
<td>md_theme_solid</td>
<td>md_theme_base</td>
<td>4</td>
</tr>
<tr>
<td>md_theme_spongeBob</td>
<td>md_theme_avatar</td>
<td>3</td>
</tr>
<tr>
<td>md_theme_simpsons</td>
<td>md_theme_base</td>
<td>3</td>
</tr>
<tr>
<td>md_theme_stata</td>
<td>md_theme_base</td>
<td>4</td>
</tr>
<tr>
<td>md_theme_theLastAirbender</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>md_theme_tufte</td>
<td>md_theme_base</td>
<td>4</td>
</tr>
<tr>
<td>md_theme_wsj</td>
<td>md_theme_base</td>
<td>4</td>
</tr>
</tbody>
</table>