# Tidy Tuesday: Emmy Awards

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# Contents

# 1 Packages

```
# load required packages
library(tidyverse)
```

```
## -- Attaching packages --------------------------------------- tidyverse 1.3.1 --

## v ggplot2 3.3.5     v purrr   0.3.4
## v tibble  3.1.4     v dplyr   1.0.7
## v tidyr   1.1.3     v stringr 1.4.0
## v readr   2.0.1     v forcats 0.5.1

## -- Conflicts ------------------------------------------ tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()    masks stats::lag()
```

```
library(tidytuesdayR)

theme_set(theme_light())
```

# 2 Data

```
data_tue <- tidytuesdayR::tt_load('2021-09-21')
```

```
## --- Compiling #TidyTuesday Information for 2021-09-21 ----

## --- There is 1 file available ---

## --- Starting Download ---

##
##  Downloading file 1 of 1: `nominees.csv`

## --- Download complete ---
```

Emmy nominees and awards data

```
emmy_nom <- data_tue$nominees
```

After checking the data and cleaning. My idea is to select Emmy Winners, separate the production column to get the Make up artists. Plot a graph of the number of winning makeup artists for the shows.

Cleaning steps:

- Recode SNL special and regular under one Title
- Recode AHS all seasons under one Title
- Recode Star Trek all seasons under one Title
- Separate production to see names and title separate

# 3 Makeup Artists

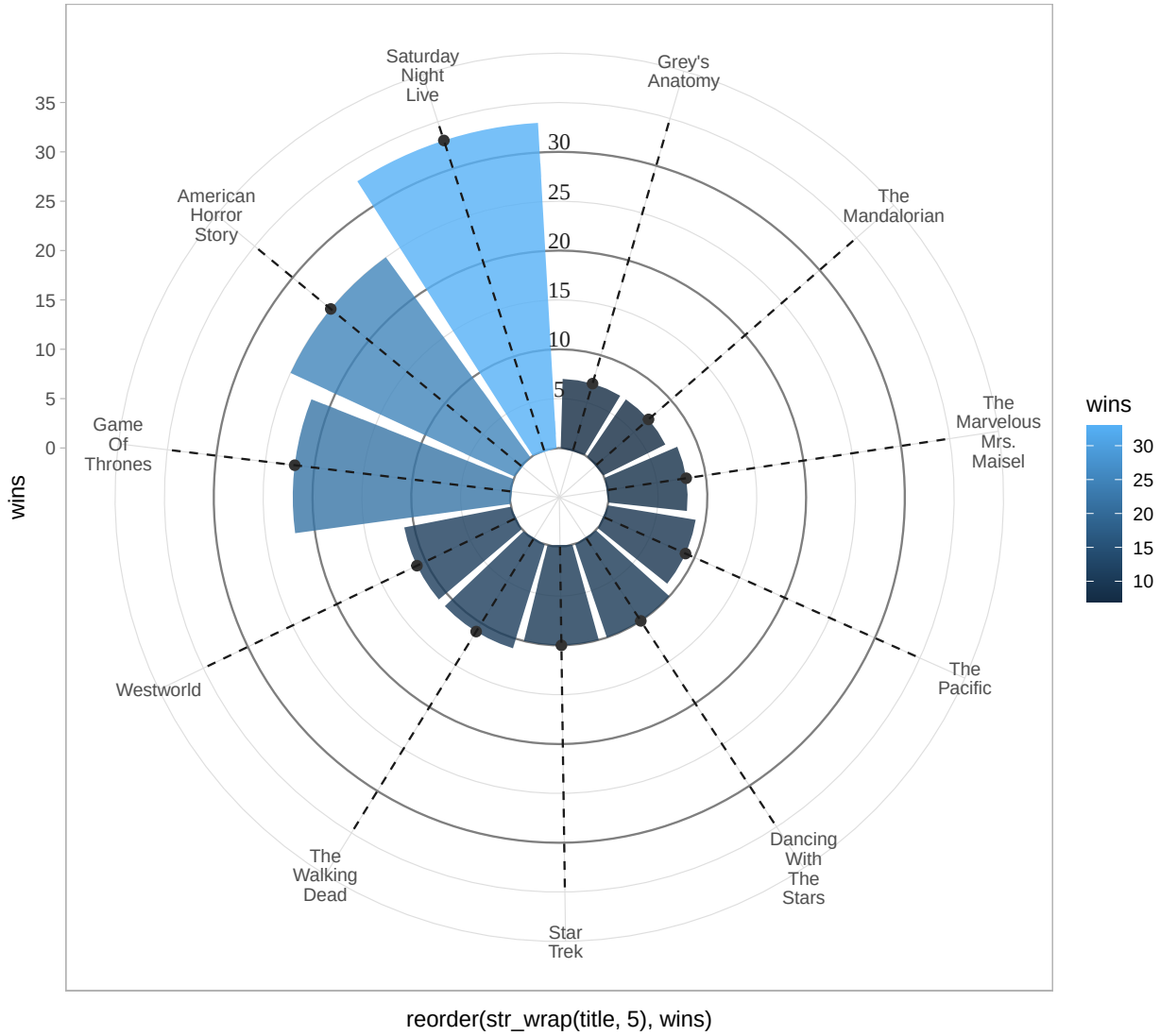
```
makeup_emmy <-
  emmy_nom %>%
  filter(type == "Winner") %>%
  group_by(category) %>%
  separate(production, c("Name", "Profession"),
           sep = ",", extra = "merge") %>%
  filter(str_detect(Profession, 'Makeup')) %>%
  mutate(title = recode(title,
                        "The Saturday Night Live 40th Anniversary Special" =
                          "The Saturday Night Live",
                        "American Horror Story: Roanoke" =
                          "American Horror Story",
                        "American Horror Story: Hotel" =
                          "American Horror Story",
                        "American Horror Story: Freak Show" =
                          "American Horror Story",
                        "Star Trek: Picard" = "Star Trek",
                        "Star Trek: Discovery" = "Star Trek")) %>%
  group_by(title) %>%
  summarise("wins" = n()) %>%
  arrange(desc(wins))
```

```
p1 <-
  makeup_emmy %>%
  head(11) %>%
  ggplot() +
  geom_hline(aes(yintercept = y),
             data.frame(y = c(0:3) * 10),
             color = "gray50") +
  geom_col(aes(x = reorder(str_wrap(title, 5), wins),
               y = wins,
               fill = wins),
           position = "dodge2",
           show.legend = TRUE,
           alpha = 0.8) +
  geom_point(aes(x = reorder(str_wrap(title, 5), wins),
                 y = wins),
             size = 2,
             color = "gray20") +
  geom_segment(aes(x = reorder(str_wrap(title, 5), wins),
                   y = 0,
                   xend = reorder(str_wrap(title, 5), wins),
                   yend = 35), linetype = "dashed",
               color = "gray10") +
  coord_polar()
```

### 3.1 Add labels for scales

```
p2 <-
  p1 +
  annotate(x = 11.55, y = 6, label = "5", geom = "text", color = "gray12", family = "serif") +
  annotate(x = 11.55, y = 11, label = "10", geom = "text", color = "gray12", family = "serif") +
  annotate(x = 11.55, y = 16, label = "15", geom = "text", color = "gray12", family = "serif") +
  annotate(x = 11.55, y = 21, label = "20", geom = "text", color = "gray12", family = "serif") +
  annotate(x = 11.55, y = 26, label = "25", geom = "text", color = "gray12", family = "serif") +
  annotate(x = 11.55, y = 31, label = "30", geom = "text", color = "gray12", family = "serif") +
  scale_y_continuous(limits = c(-5, 35), expand = c(0, 0),
    breaks = c(0, 5, 10, 15, 20, 25, 30, 35, 40))
```

```
p2
```


Saturday Night Live
Grey's Anatomy
The Mandalorian
The Marvelous Mrs. Maisel
The Pacific
Dancing With The Stars
Star Trek
The Walking Dead
Westworld
Game Of Thrones
American Horror Story
wins
reorder(str_wrap(title, 5), wins)
wins
30
25
20
15
10

### 3.2 Add colors

```
p3<-
  p2 +
  scale_fill_gradientn("No.of Wins",
     colours = c("#AA646B", "#F38F99", "#F4A999", "#F8E0B6", "#E4BD98", "#D69F7E", "#774936"),
     limits=c(5,35), breaks = c(5, 10, 15, 20, 25, 30, 35)) +
  theme(axis.title = element_blank(),
    axis.ticks = element_blank(),
    axis.text.y = element_blank(),
    axis.text.x = element_text(color = "gray15", size = 11),
    legend.position = "bottom",
    text = element_text(color = "gray12", family = "Times"))
```

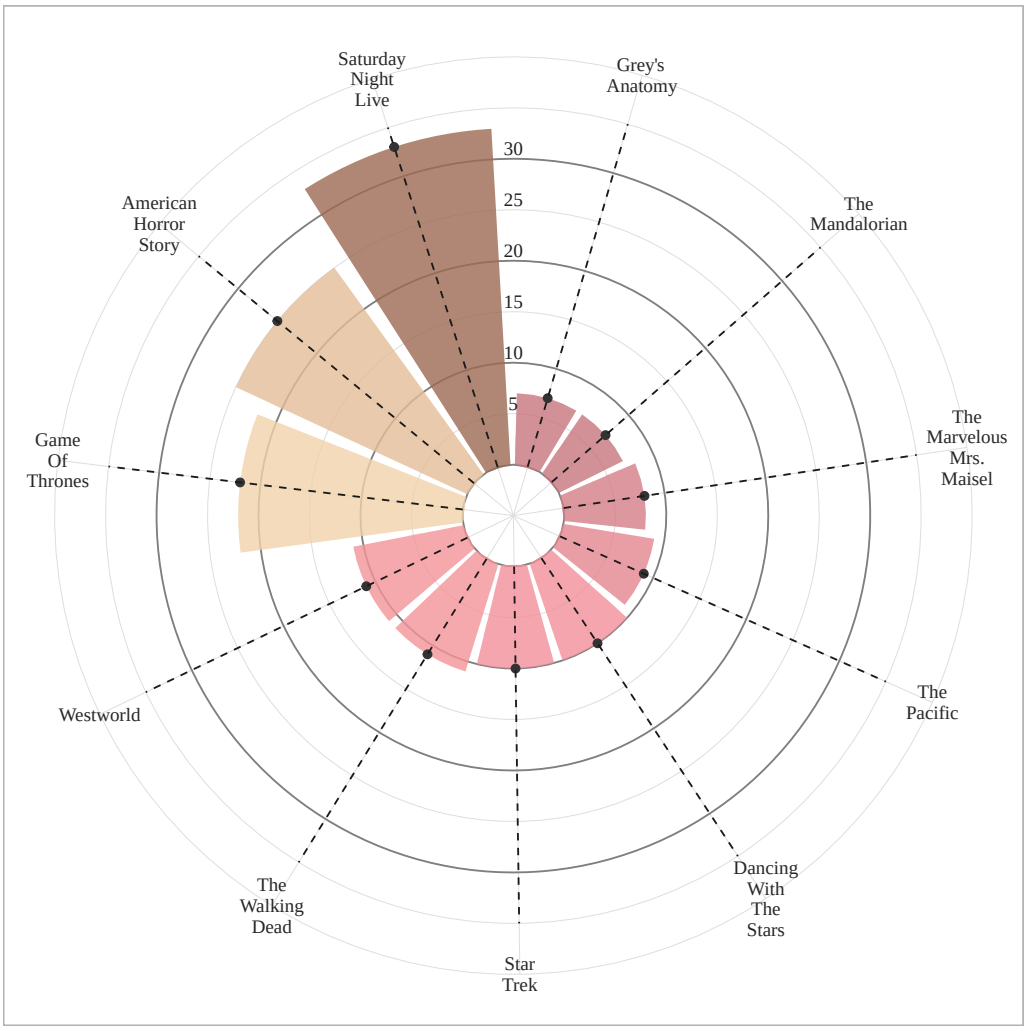
### 3.3 Add Labs

```
final_plot <-
  p3 +
  labs(title = "SNL has won most makeup artist Emmys",
       subtitle = "Data range is from 2017 to 2021. Merged all AHS and Star Trek seasons into respective
       caption = "TidyTuesday 2021-09-21. Visualisation by Kesava Asam.\n Data Source: Emmy") +
  theme(plot.title = element_text(face = "bold", size = 16, hjust = 0.01),
    plot.subtitle = element_text(size = 12, hjust = 0.05),
    plot.caption = element_text(size = 10, hjust = .5))
```

```
final_plot
```

## SNL has won most makeup artist Emmys

Data range is from 2017 to 2021. Merged all AHS and Star Trek seasons into respective titles.




TidyTuesday 2021−09−21. Visualisation by Kesava Asam.
Data Source: Emmy

# 4 Reference

Thanks Tobias Stadler and Tomás Capretto for helping me generate the Circular barplot. ref