Ranked Candies in London

Parker Hall

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Load Necessary Libraries

```
# install.packages("ggplot2")
# install.packages("dplyr")
# install.packages("tibble")
library(ggplot2)
library(dplyr)
```

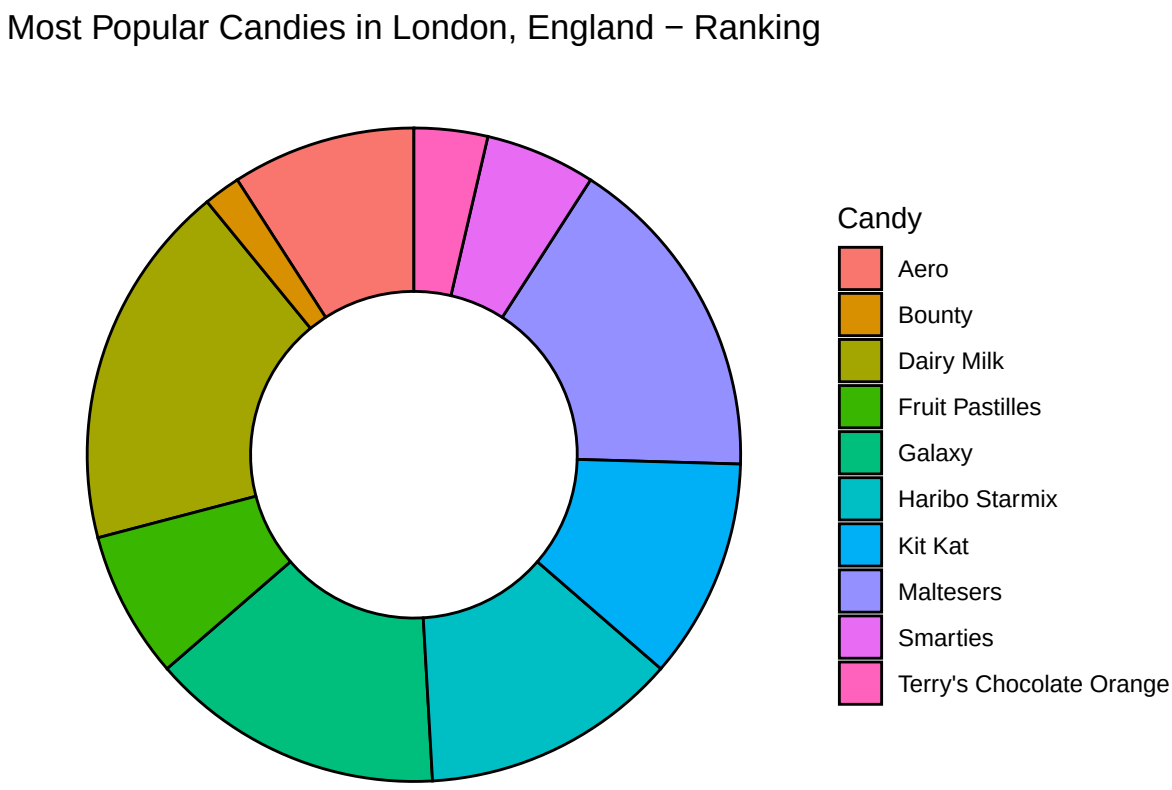
```
##
## Attaching package: 'dplyr'

## The following objects are masked from 'package:stats':
##
##     filter, lag

## The following objects are masked from 'package:base':
##
##     intersect, setdiff, setequal, union
```

```
library(tibble)
# install.packages("tinytex")
# tinytex::install_tinytex()
```

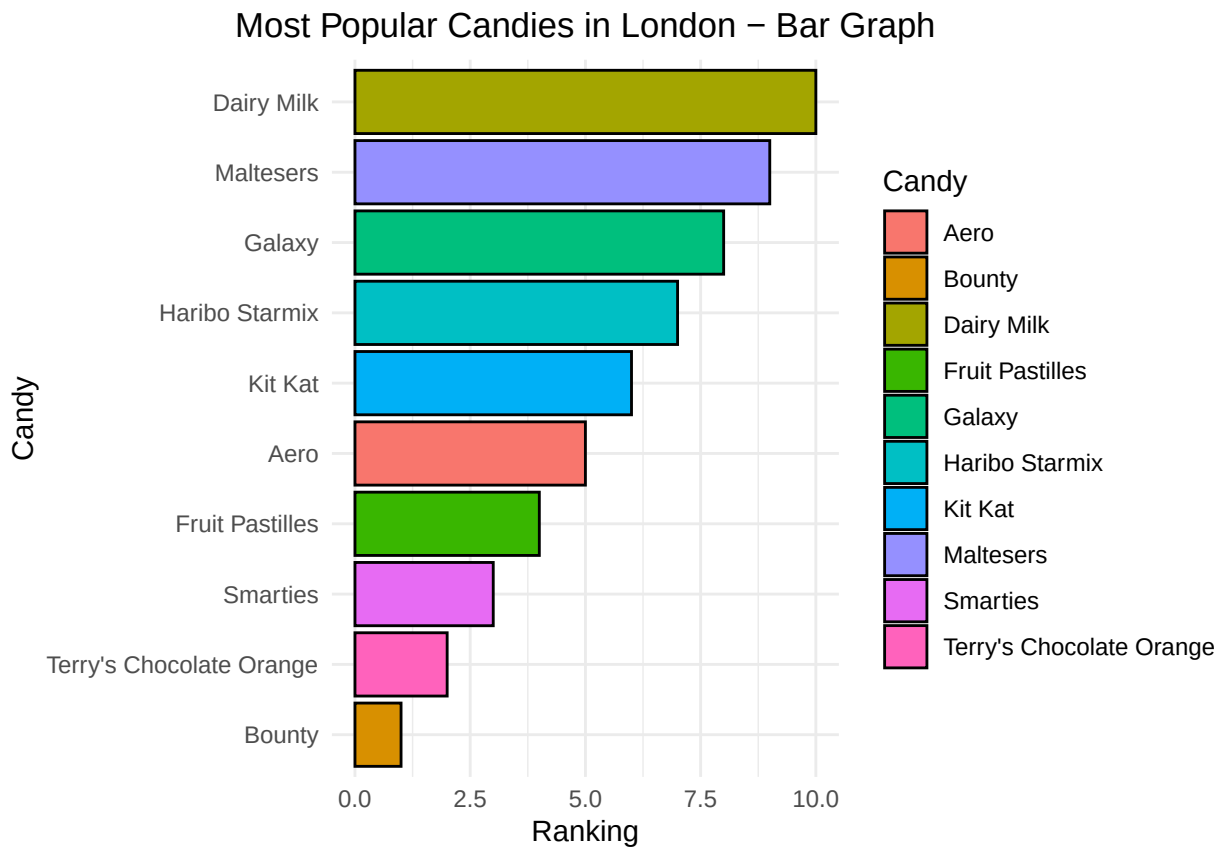
Plot the Graph

```
# Save data to the candies variable
candies <- tibble(
  Candy = c("Dairy Milk", "Maltesers", "Galaxy", "Haribo Starmix",
            "Kit Kat", "Aero", "Fruit Pastilles", "Smarties",
            "Terry's Chocolate Orange", "Bounty"),
  Rank = c(10, 9, 8, 7, 6, 5, 4, 3, 2, 1)
)

# Compute percentage
candies <- candies %>%
  mutate(Percentage = Rank / sum(Rank) * 100)

# Create the polar bar plot
ggplot(candies, aes(x = 2, y = Percentage, fill = Candy)) +
  geom_bar(stat = "identity", width = 1, color = "black") +
```

```
  coord_polar(theta = "y") +
  xlim(0.5, 2.5) +
  theme_void() +
  theme(legend.position = "right") +
  ggtitle("Most Popular Candies in London, England - Ranking") +
  theme(plot.title = element_text(hjust = 0.5))
```




```
# Create bar graph
ggplot(candies, aes(x = reorder(Candy, Rank), y = Rank, fill = Candy)) +
  geom_bar(stat = "identity", color = "black") +
  coord_flip() +  # Flip to make it more readable
  theme_minimal() +
  ggtitle("Most Popular Candies in London - Bar Graph") +
  theme(plot.title = element_text(hjust = 0.5)) +
  labs(x = "Candy", y = "Ranking")
```


Most Popular Candies in London − Bar Graph
Dairy Milk
Maltesers
Galaxy
Haribo Starmix
Kit Kat
Aero
Fruit Pastilles
Smarties
Terry's Chocolate Orange
Bounty
Candy
0.0
2.5
5.0
7.5
10.0
Ranking
Candy
Aero
Bounty
Dairy Milk
Fruit Pastilles
Galaxy
Haribo Starmix
Kit Kat
Maltesers
Smarties
Terry's Chocolate Orange