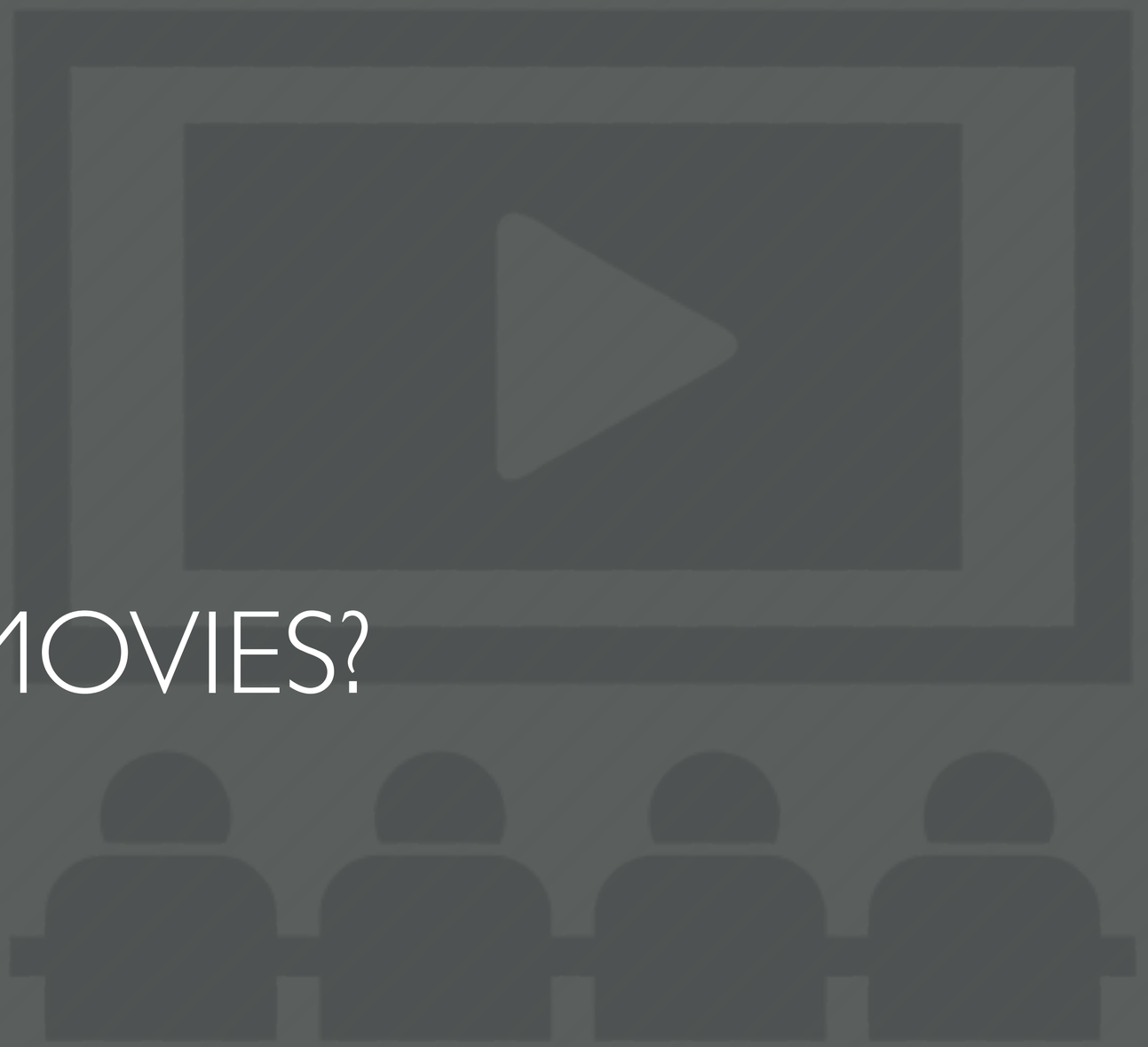
HOW LONG ARE MOVIES?



PREREQUISITE

```
library(ggplot2movies)
library(tidyverse)

movies
# A tibble: 58,788 × 24
                      title  year length budget rating votes    r1    r2    r3    r4    r5    r6    r7    r8
                      <chr> <int>  <int>  <int>  <dbl> <int> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl>
1                         $  1971    121     NA    6.4   348   4.5   4.5   4.5   4.5  14.5  24.5  24.5  14.5
2           $1000 a Touchdown  1939     71     NA    6.0    20   0.0  14.5   4.5  24.5  14.5  14.5  14.5   4.5
3      $21 a Day Once a Month  1941      7     NA    8.2     5   0.0   0.0   0.0   0.0   0.0  24.5   0.0  44.5
4                    $40,000  1996     70     NA    8.2     6  14.5   0.0   0.0   0.0   0.0   0.0   0.0   0.0
5  $50,000 Climax Show, The  1975     71     NA    3.4    17  24.5   4.5   0.0  14.5  14.5   4.5   0.0   0.0
6                      $pent  2000     91     NA    4.3    45   4.5   4.5   4.5  14.5  14.5  14.5   4.5   4.5
7                    $windle  2002     93     NA    5.3   200   4.5   0.0   4.5   4.5  24.5  24.5  14.5   4.5
8                       '15'  2002     25     NA    6.7    24   4.5   4.5   4.5   4.5   4.5  14.5  14.5  14.5
9                       '38  1987     97     NA    6.6    18   4.5   4.5   4.5   0.0   0.0   0.0  34.5  14.5
```

LONG MOVIES

1. *Assess the distribution of movie lengths*
2. *How would you define “long”?*
3. *How many long movies are there?*
4. *What are the top 5 longest movies?*

SHORT FILMS

1. *How would you determine where short films start and stop?*

2. *How many short films are there?*

3. *What is the average length of short films?*

4. *Create a new variable that identifies movies as short, regular, or long*

REGULAR FILMS

1. *What is the average length of “regular” films?*

2. *Are there certain length cut-offs that are favored over others?*

3. *How do ratings differ between short, regular, and long length films? Any visualization?*