



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?*