

MovieDataJackH

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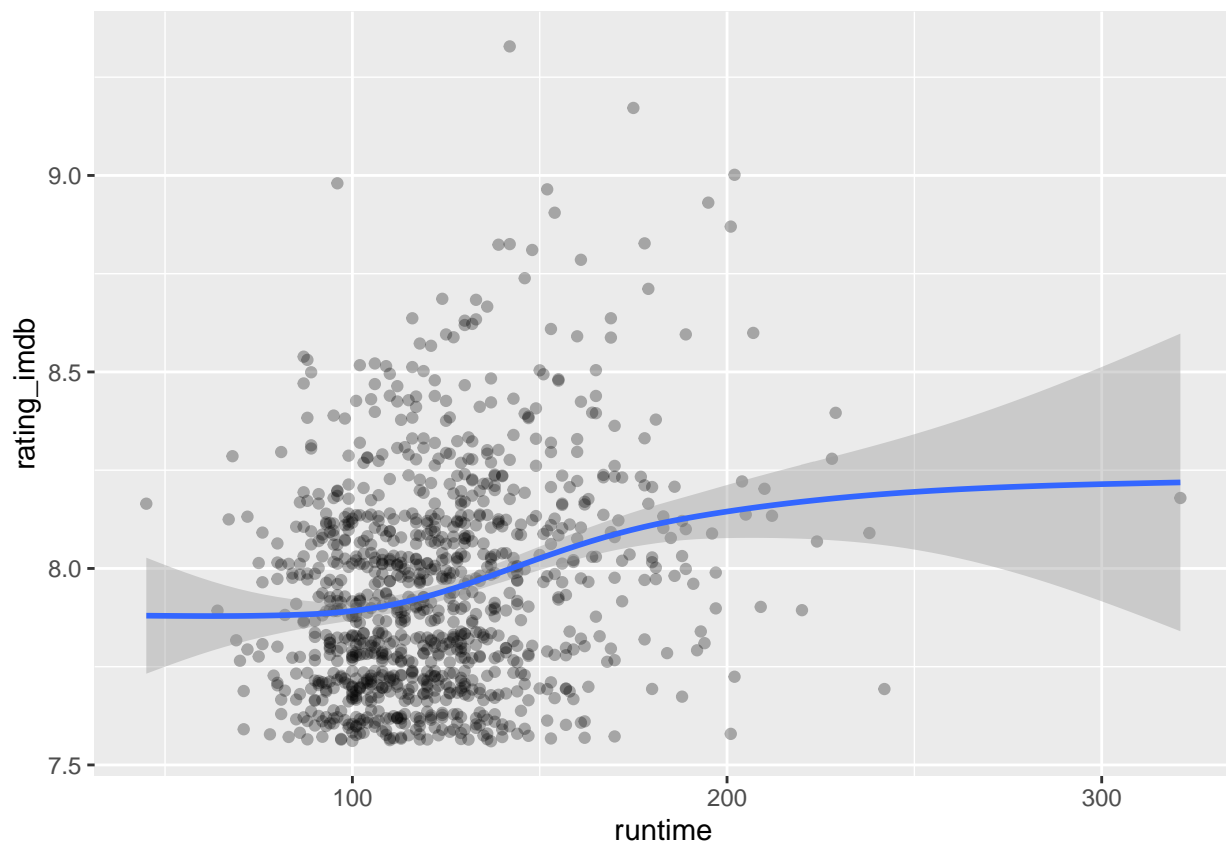
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3. Is there a correlation between online film ratings and runtime?

No.

```
ggplot(data = movies, aes(y = rating_imdb, x = runtime)) +  
  geom_jitter(alpha = 0.3, width = 0) +  
  geom_smooth()
```

```
## `geom_smooth()` using method = 'gam' and formula 'y ~ s(x, bs = "cs")'
```



```
ggplot(data = movies, aes(y = rating_meta, x = runtime)) +  
  geom_jitter(alpha = 0.3, width = 0) +  
  geom_smooth()
```

```
## `geom_smooth()` using method = 'gam' and formula 'y ~ s(x, bs = "cs")'
```

```
## Warning: Removed 157 rows containing non-finite values (stat_smooth).
```

```
## Warning: Removed 157 rows containing missing values (geom_point).
```

