

```
```{r}
```

```
library(ggplot2)
```

```
library(ggthemes)
```

```
library(scales)
```

```
library(dplyr)
```

```
library(lessR)
```

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```{r}
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```
movies = do.call(rbind,strsplit(readLines('movies.dat'),'::',fixed=T))
```

```
movies <- as.data.frame(movies)
```

```
head(movies)
```

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```{r}
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```
colnames(movies) <- c("ID","Title","Genre")
```

```
movies$ID <- as.numeric(movies$ID)
```

```
head(movies)
```

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```{r}
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```
ratings = read.delim("ratings.dat", header= FALSE ,sep = ':', colClasses = c(NA, "NULL"))
```

```
head(ratings)
```

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```{r}
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```
colnames(ratings) <- c("User","ID","Ratings","Timestamp")
```

```
head(ratings)
```

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```{r}
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```
data = merge(movies,ratings,by = "ID")
```

```
data = data[with(data, order(ID)),]
```

```
head(data)
```

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```{r}
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```
ratings<- dplyr::count(data, Ratings, sort = TRUE) %>%
```

```
 mutate(perc = `n` / sum(`n`)) %>%
```

```
 arrange(perc) %>%
```

```
 mutate(labels = scales::percent(perc))
```

```
ggplot(ratings, aes(x = "", y = perc, fill = factor(Ratings)),alpha = 0.8) +
```

```
 geom_col() +
```

```
 geom_text(aes(label = labels),
```

```
 position = position_stack(vjust = 0.5)) +
```

```
 coord_polar(theta = "y")
```

```
```
```