

Spotify Data Bayesian Analysis

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```
Not_skipped_tracks <- data.frame(read_csv("data/tf_0_reduced.csv"))
```

```
##
## -- Column specification -----
## cols(
##   track_id = col_character(),
##   release_year = col_double(),
##   duration = col_double(),
##   us_popularity_estimate = col_double(),
##   acousticness = col_double(),
##   beat_strength = col_double(),
##   bounciness = col_double(),
##   danceability = col_double(),
##   energy = col_double(),
##   instrumental = col_double(),
##   liveness = col_double(),
##   loudness = col_double(),
##   mode = col_character(),
##   speechiness = col_double(),
##   tempo = col_double(),
##   valence = col_double(),
##   skipped = col_double()
## )
```

```
Skipped_tracks <- data.frame(read_csv("data/tf_1_reduced.csv"))
```

```
##
## -- Column specification -----
## cols(
##   track_id = col_character(),
##   release_year = col_double(),
##   duration = col_double(),
##   us_popularity_estimate = col_double(),
##   acousticness = col_double(),
##   beat_strength = col_double(),
##   bounciness = col_double(),
##   danceability = col_double(),
##   energy = col_double(),
##   instrumental = col_double(),
##   liveness = col_double(),
##   loudness = col_double(),
##   mode = col_character(),
##   speechiness = col_double(),
```

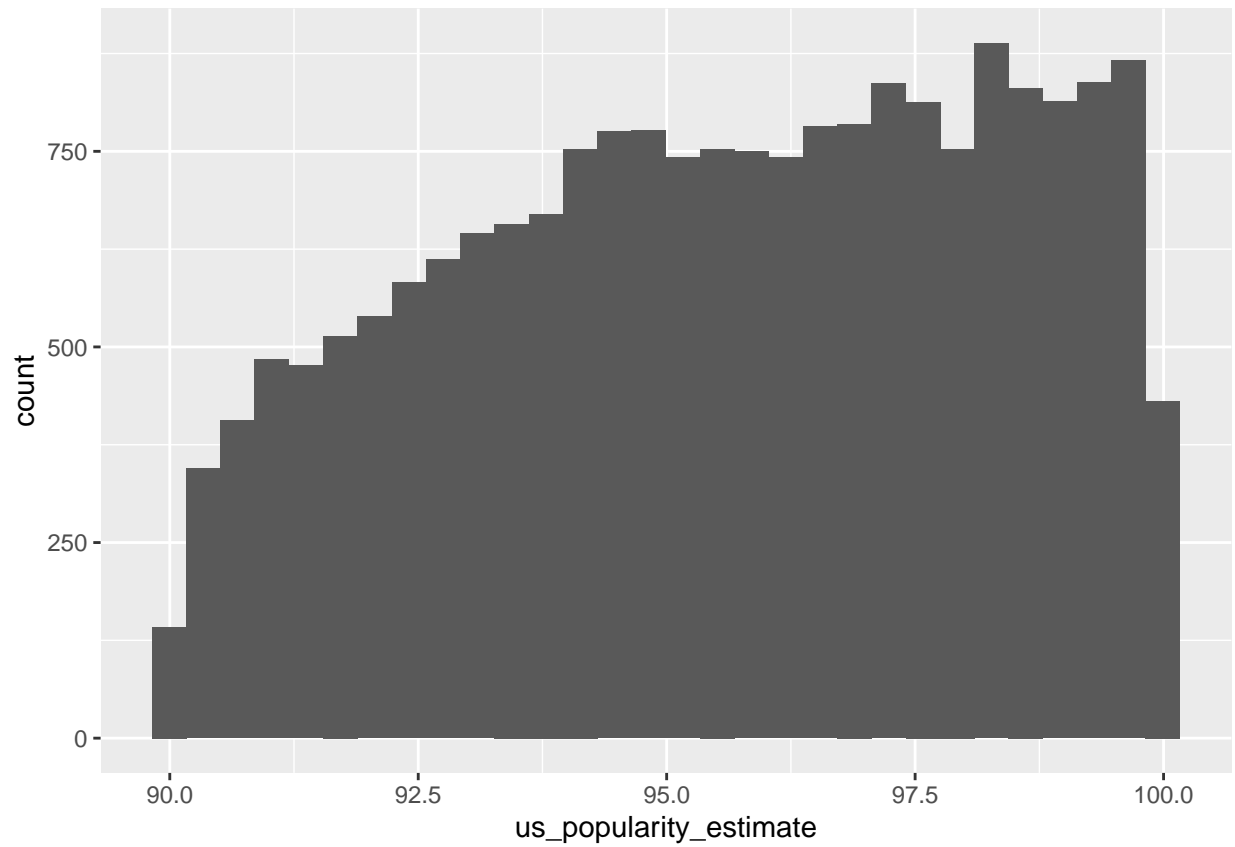
```
## tempo = col_double(),
## valence = col_double()
## )
```

```
All_tracks <- data.frame(read_csv("data/tf_reduced.csv"))
```

```
##
## -- Column specification -----
## cols(
##   track_id = col_character(),
##   release_year = col_double(),
##   duration = col_double(),
##   us_popularity_estimate = col_double(),
##   acousticness = col_double(),
##   beat_strength = col_double(),
##   bounciness = col_double(),
##   danceability = col_double(),
##   energy = col_double(),
##   instrumental = col_double(),
##   liveness = col_double(),
##   loudness = col_double(),
##   mode = col_character(),
##   speechiness = col_double(),
##   tempo = col_double(),
##   valence = col_double(),
##   skipped = col_double()
## )
```

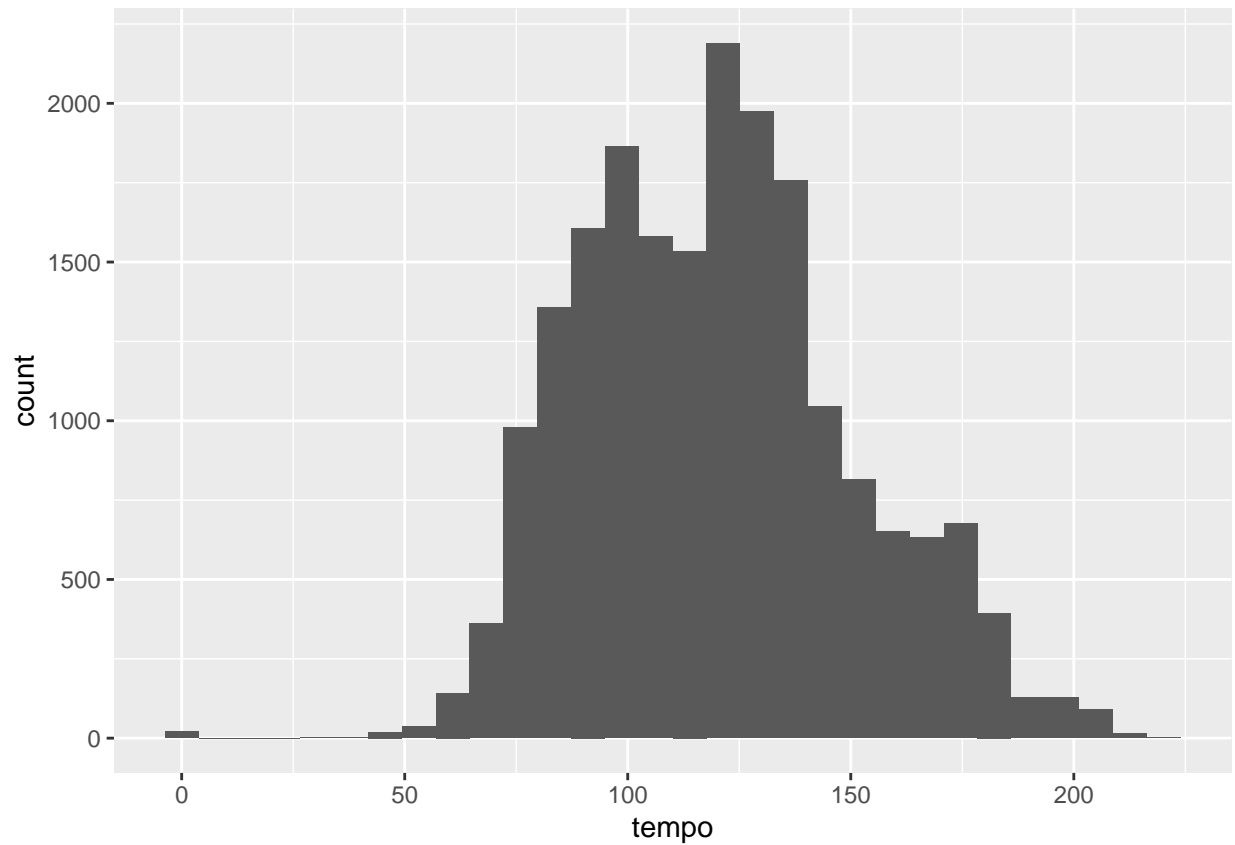
```
ggplot(data = All_tracks, aes(x = us_popularity_estimate)) +
  geom_histogram()
```

```
## 'stat_bin()' using 'bins = 30'. Pick better value with 'binwidth'.
```



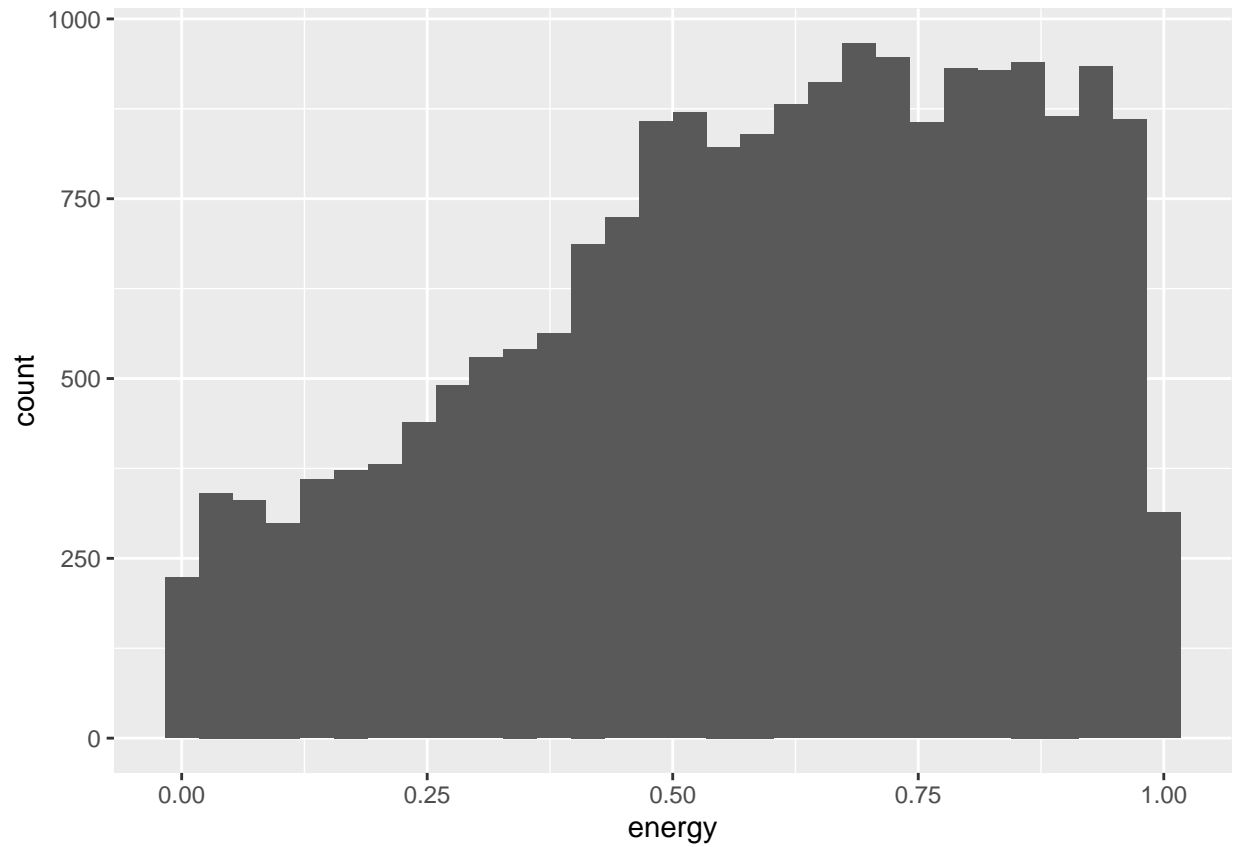
```
ggplot(data = All_tracks, aes(x = tempo)) +  
  geom_histogram()
```

```
## 'stat_bin()' using 'bins = 30'. Pick better value with 'binwidth'.
```



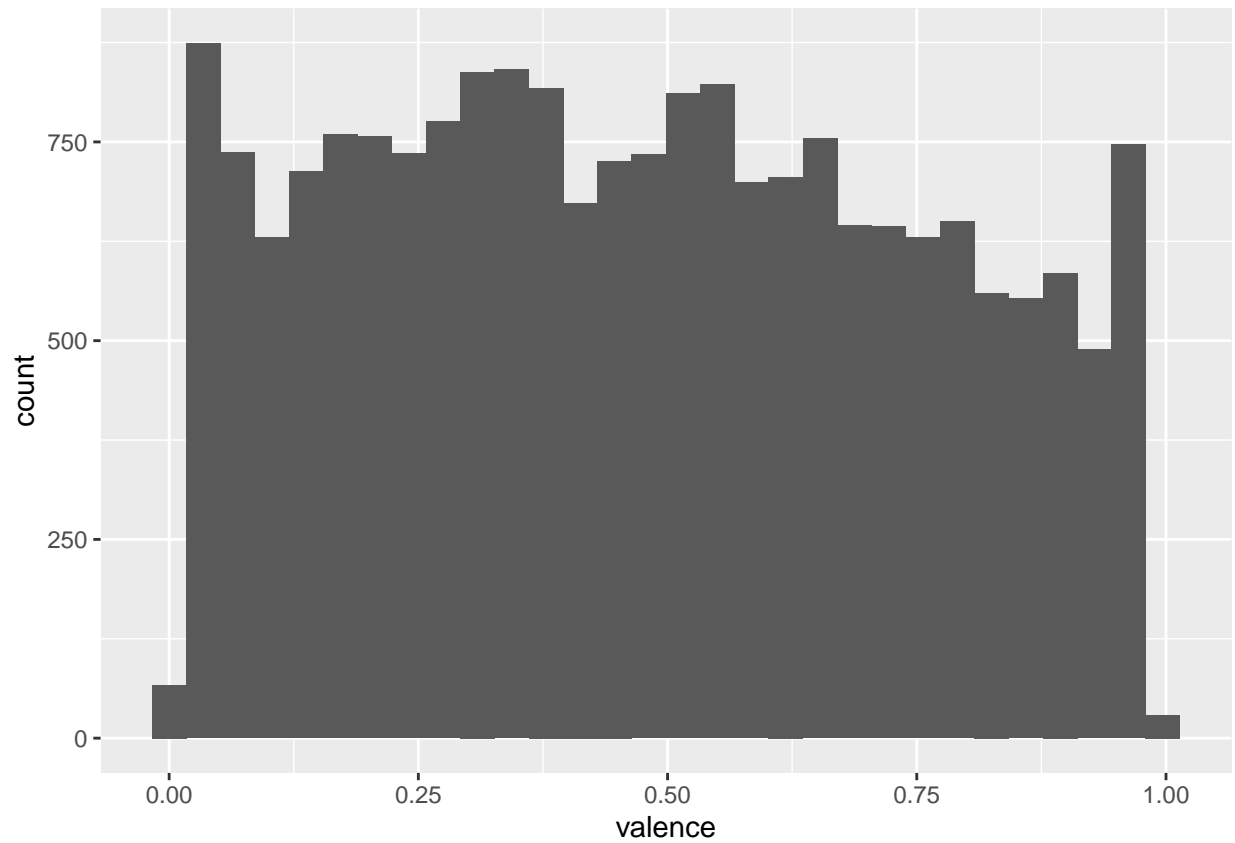
```
ggplot(data = All_tracks, aes(x = energy)) +  
  geom_histogram()
```

```
## 'stat_bin()' using 'bins = 30'. Pick better value with 'binwidth'.
```



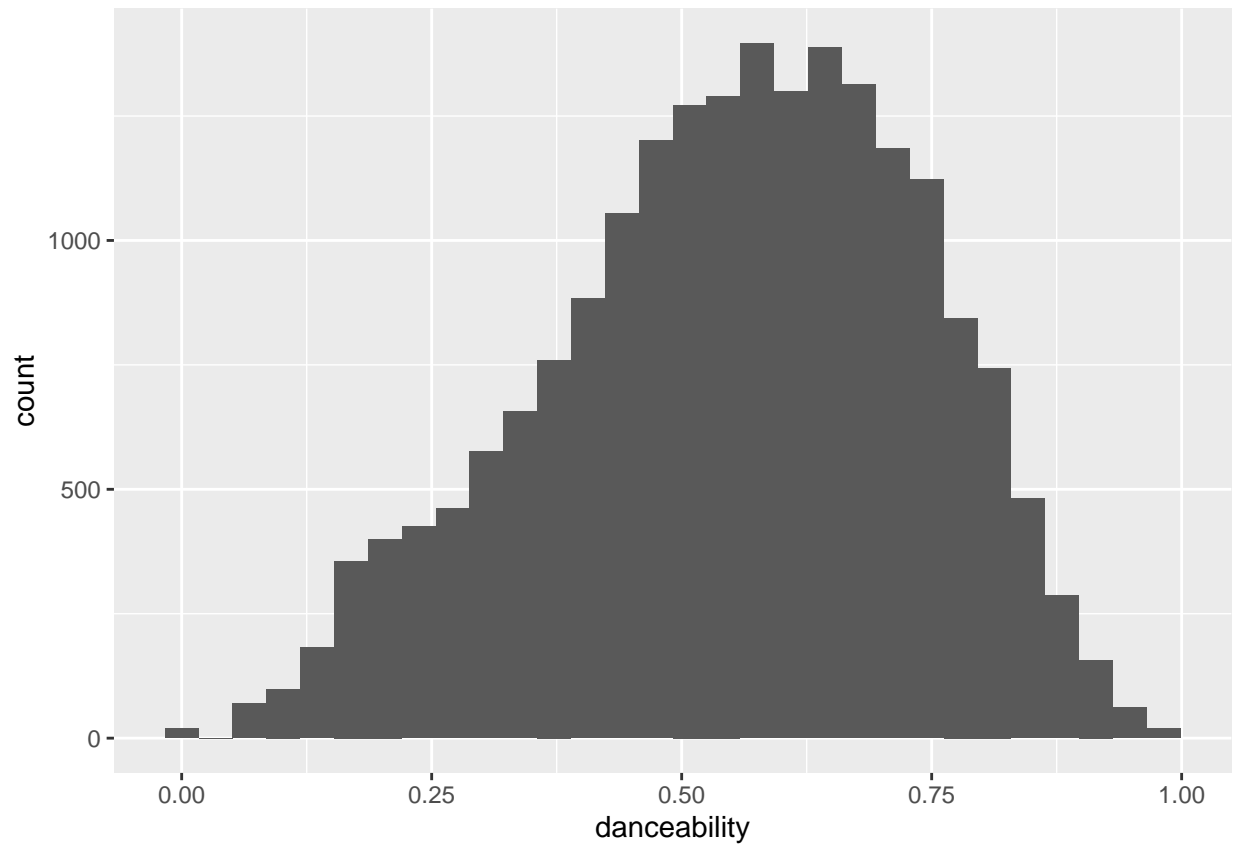
```
ggplot(data = All_tracks, aes(x = valence)) +  
  geom_histogram()
```

```
## 'stat_bin()' using 'bins = 30'. Pick better value with 'binwidth'.
```



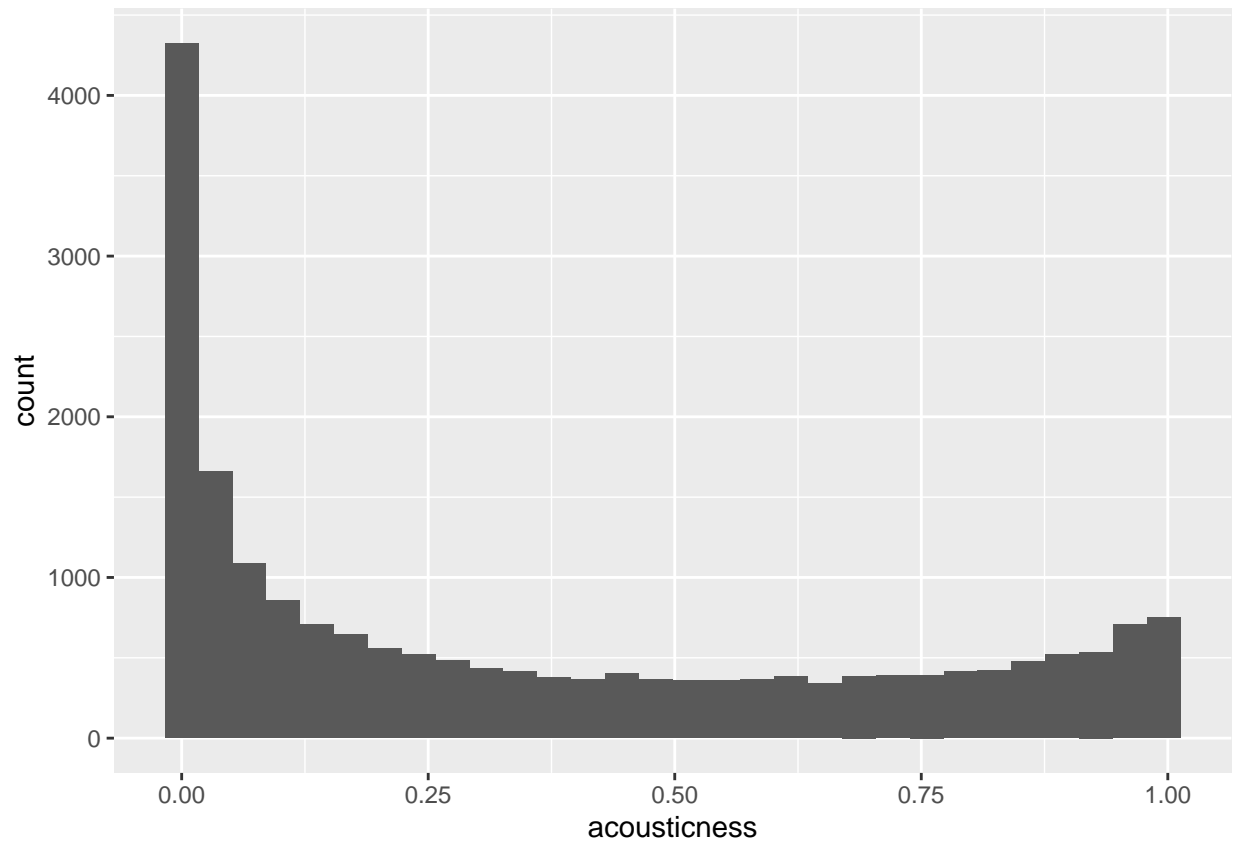
```
ggplot(data = All_tracks, aes(x = danceability)) +  
  geom_histogram()
```

```
## 'stat_bin()' using 'bins = 30'. Pick better value with 'binwidth'.
```



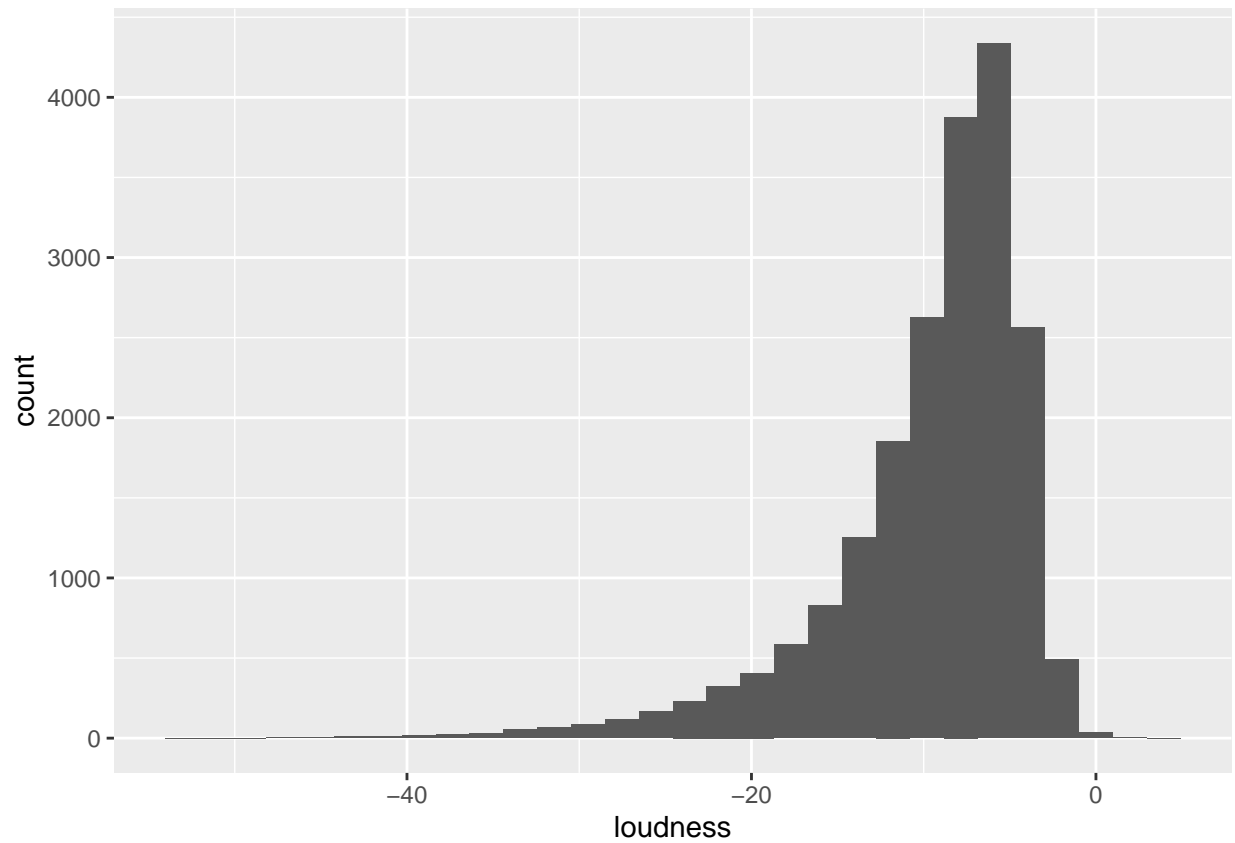
```
ggplot(data = All_tracks, aes(x = acoustictness)) +  
  geom_histogram()
```

```
## 'stat_bin()' using 'bins = 30'. Pick better value with 'binwidth'.
```



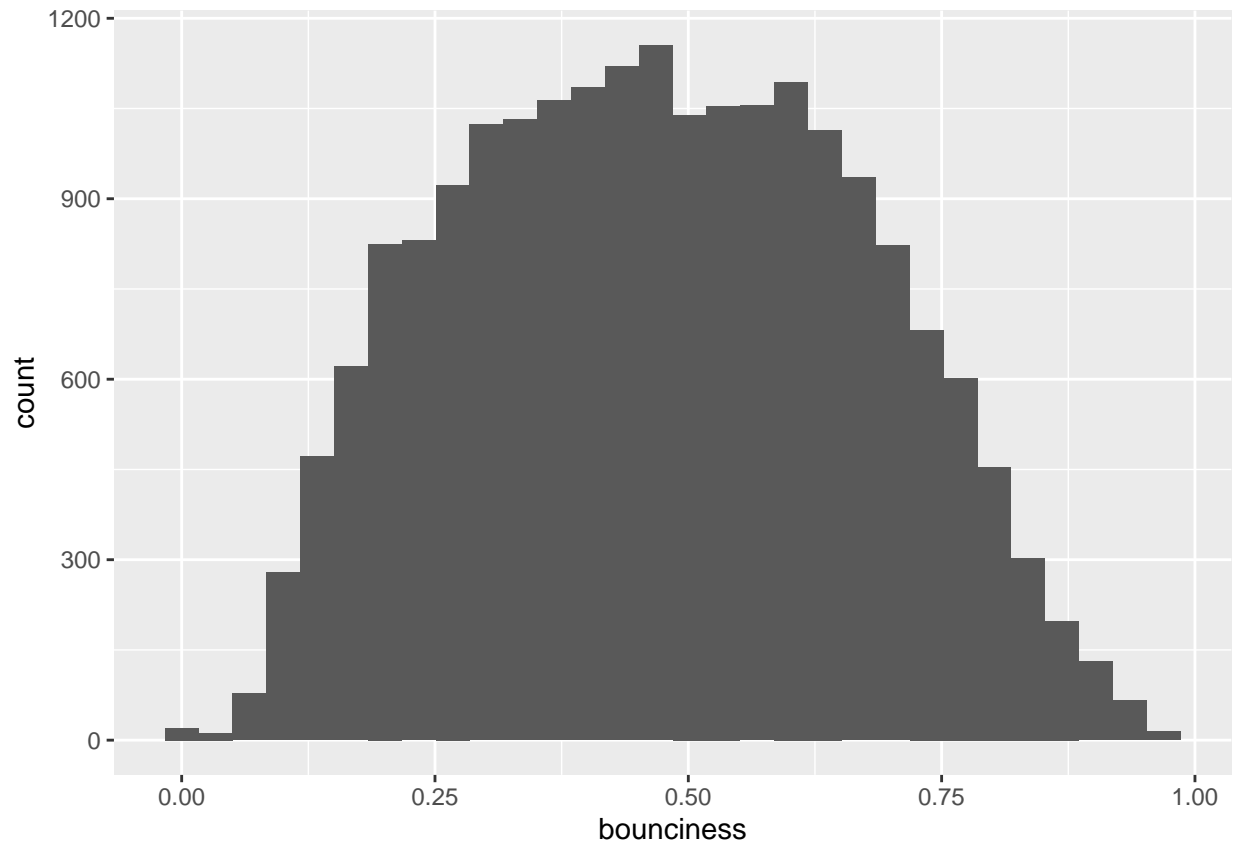
```
ggplot(data = All_tracks, aes(x = loudness)) +  
  geom_histogram()
```

```
## 'stat_bin()' using 'bins = 30'. Pick better value with 'binwidth'.
```

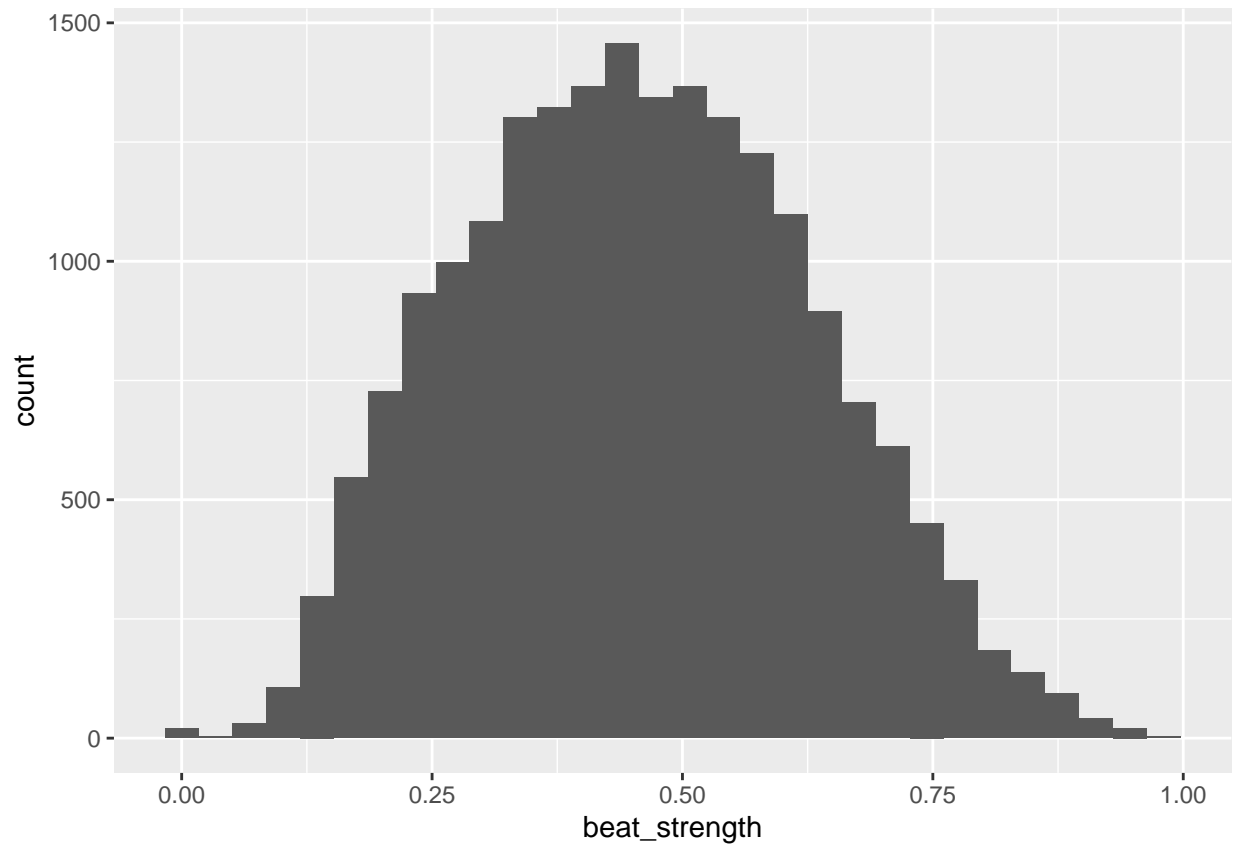
```
ggplot(data = All_tracks, aes(x = bounciness)) +  
  geom_histogram()
```

```
## 'stat_bin()' using 'bins = 30'. Pick better value with 'binwidth'.
```



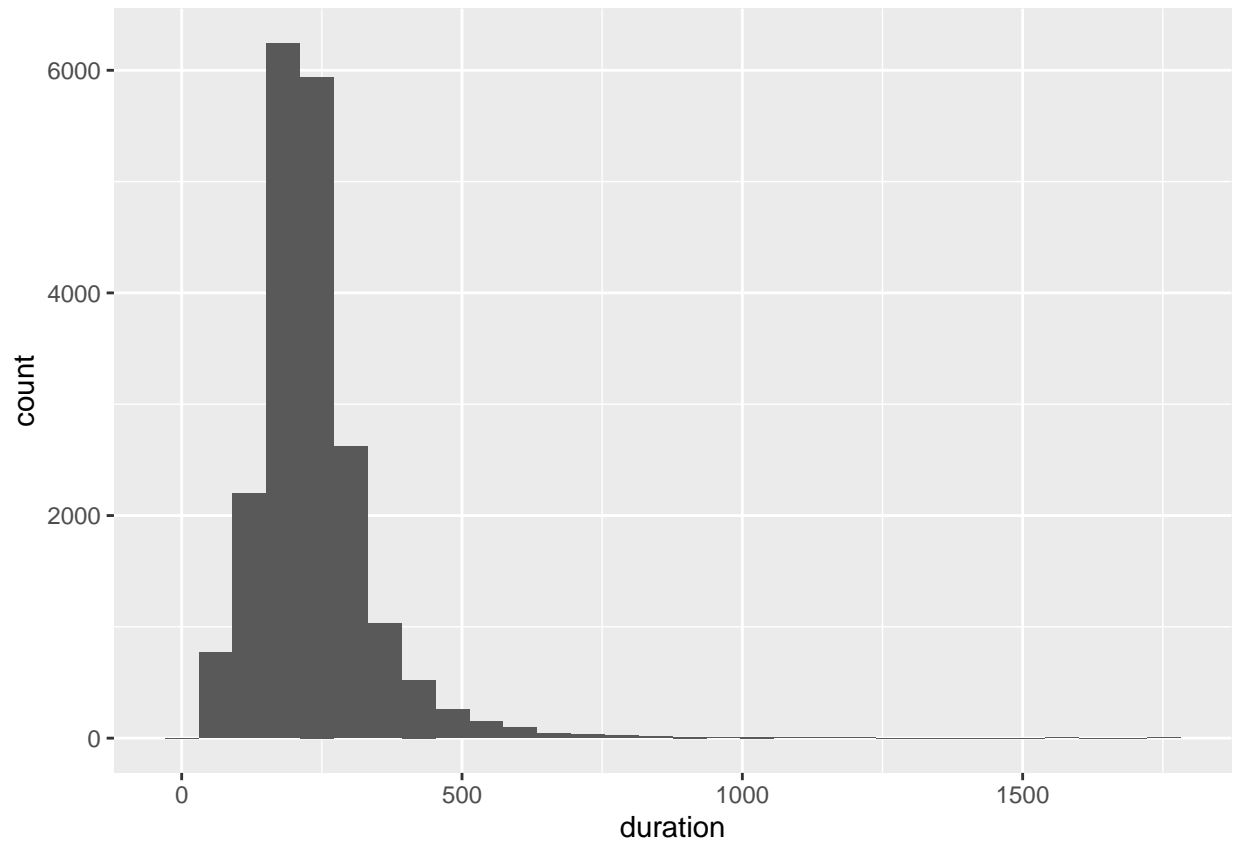
```
ggplot(data = All_tracks, aes(x = beat_strength)) +  
  geom_histogram()
```

```
## 'stat_bin()' using 'bins = 30'. Pick better value with 'binwidth'.
```



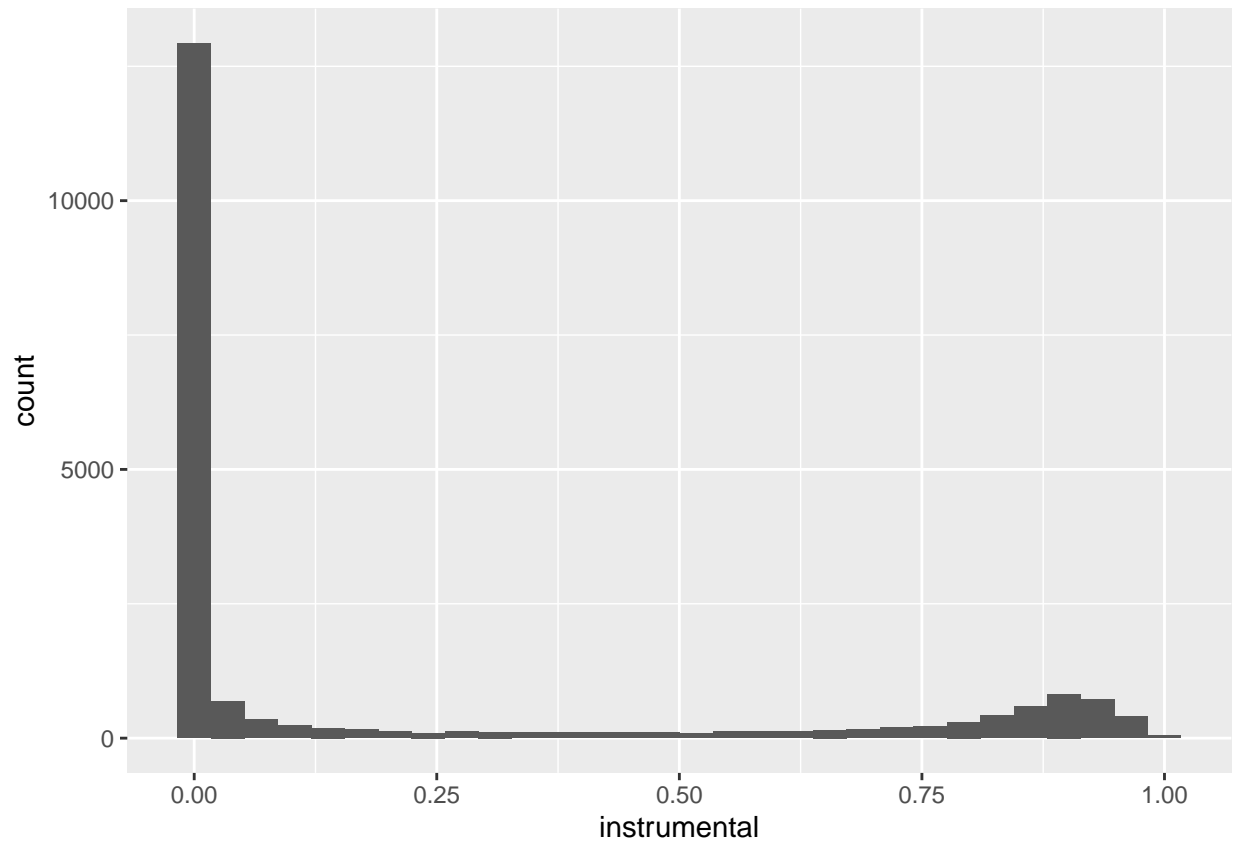
```
ggplot(data = All_tracks, aes(x = duration)) +  
  geom_histogram()
```

```
## 'stat_bin()' using 'bins = 30'. Pick better value with 'binwidth'.
```



```
ggplot(data = All_tracks, aes(x = instrumental)) +  
  geom_histogram()
```

```
## 'stat_bin()' using 'bins = 30'. Pick better value with 'binwidth'.
```



```
ggplot(data = All_tracks, aes(x = liveness)) +  
  geom_histogram()
```

```
## 'stat_bin()' using 'bins = 30'. Pick better value with 'binwidth'.
```

