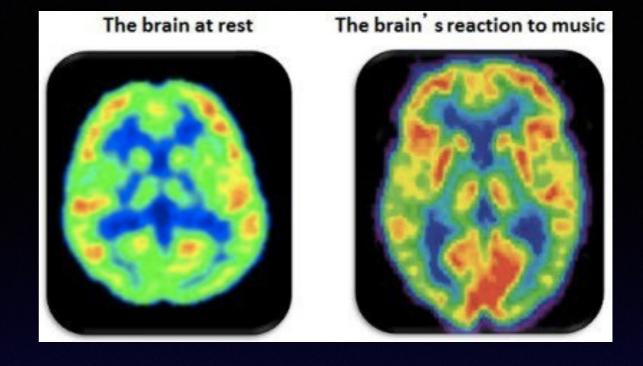


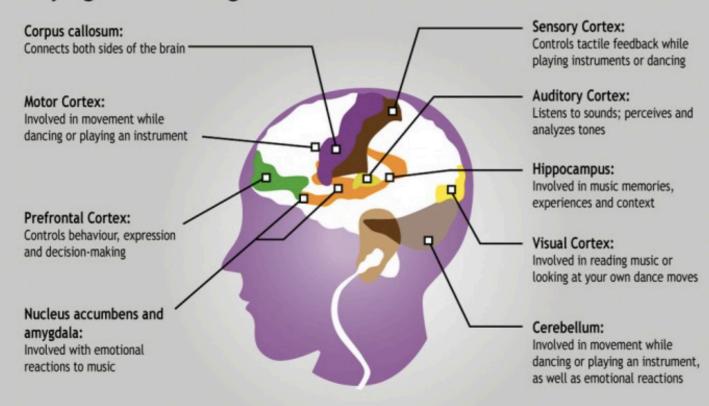
the music that moves us

how music affects your mind and emotions



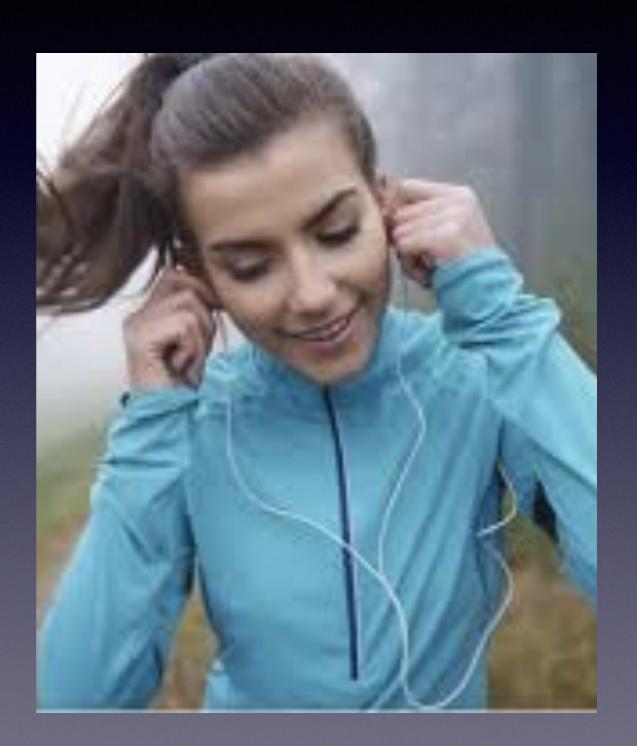
MUSIC AND THE BRAIN

Playing and listening to music works several areas of the brain:

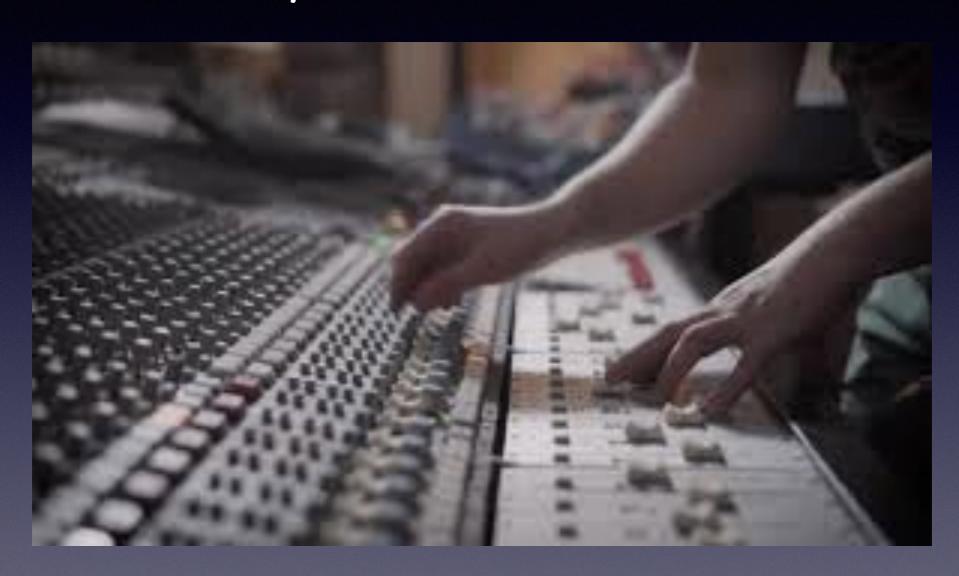


mind your music

- · mood
- · memory
- · work performance
- · exercise endurance
- · blood pressure
- · Skín



the problem of playlist production





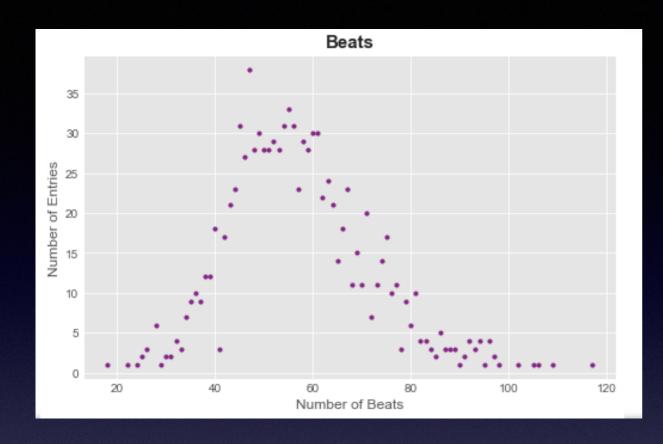
some elements of music

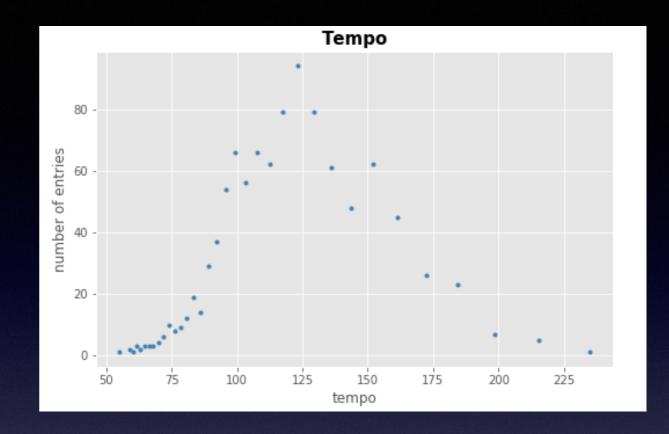
- · beat
- · tempo
- · chroma
- · spectral centroid
- · zero crossing rate

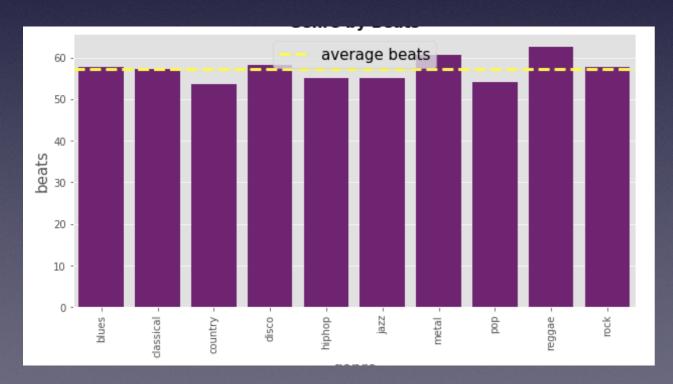


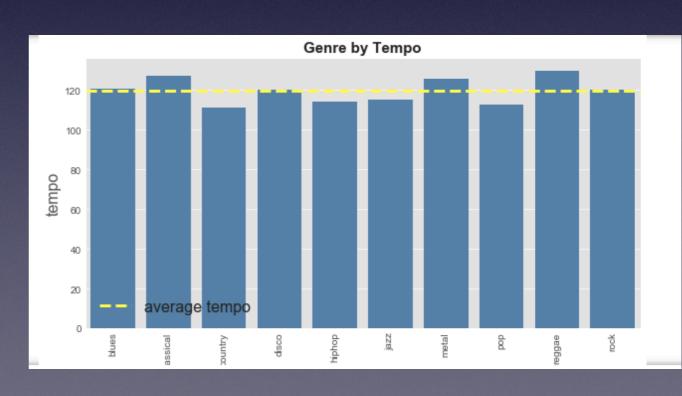
```
PPP - Very Quiet - Pianississimo - 30dB
PP - Somewhat Quiet - Pianissimo - 40dB
P - Quiet - Piano - 50dB
PP - Moderately Quiet - Mezzo-Piano - 60dl
PP - Moderately Loud - Mezzo-Forte - 70dB
Somewhat Loud - Forte - 80dB
FP - Loud - Fortissimo - 90dB
FP - Very Loud - Fortississimo - 100dB
```

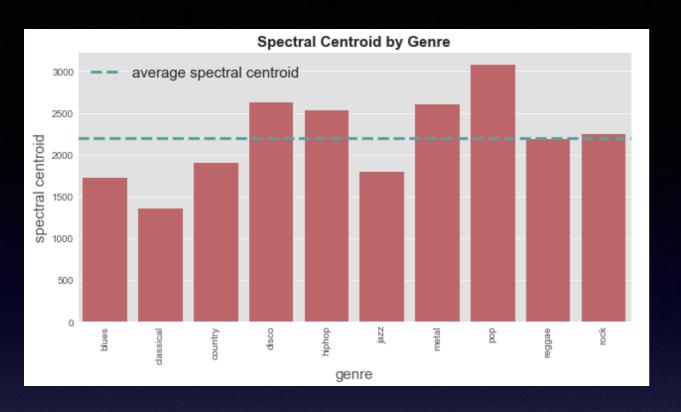
comparing beats with tempo...





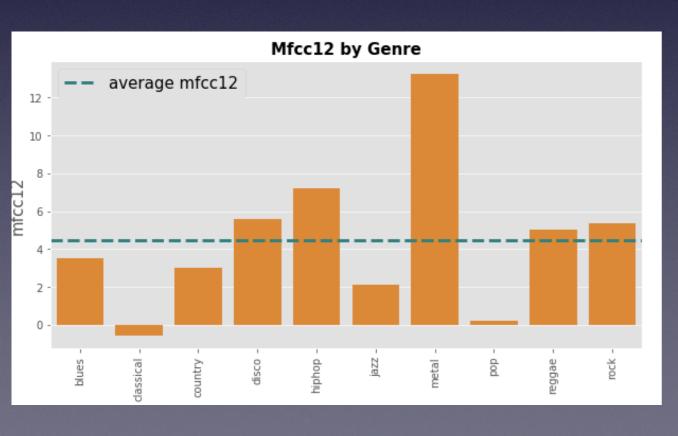


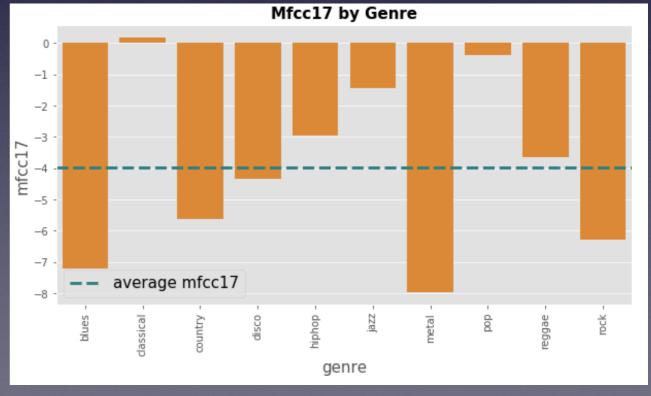






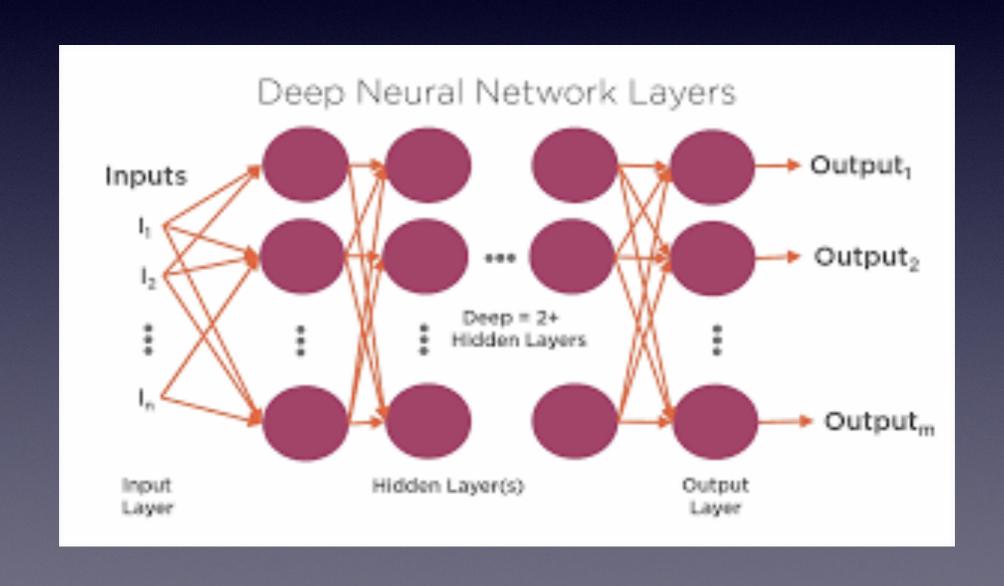
some genre differences show with other features





methodology

· deep learning - using layers to build our model



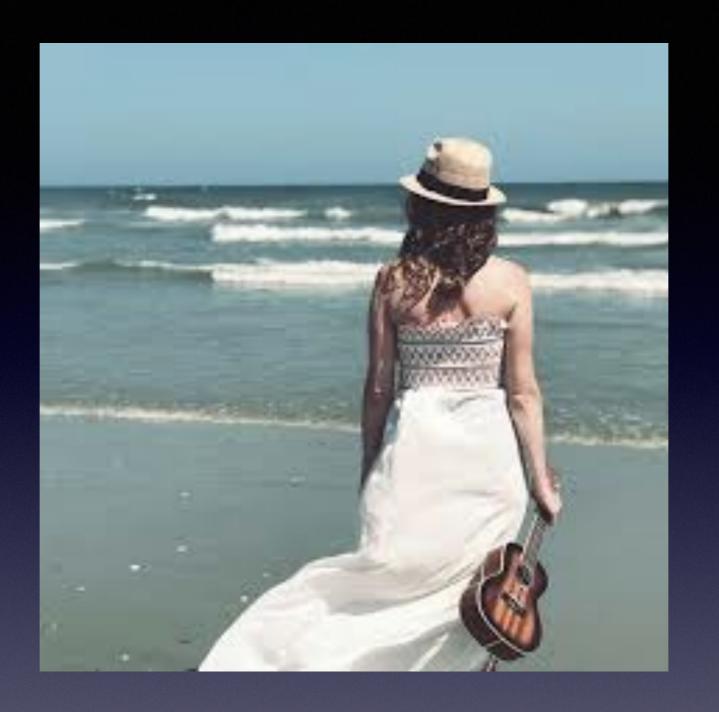
drumroll please...

- · training data 92% accuracy
- · testing data 7-1% accuracy

stay tuned!

- · analyze incorrect classifications
- · add more features
- · Consider more genres





thank you presentation by jenyl murdock