# Worldclouds - Music Lyrics

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### Introduction

Wordclouds are cool, and what better way to play around with them than music lyrics?

The data I am working with includes 380,000+ lyrics from MetroLyrics spanning 10 different genres (omitted NA and Other genres). Let's see what we can find.

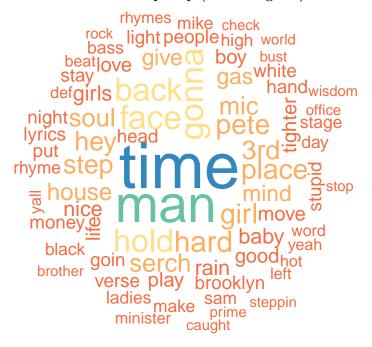
Being a fan of Rap and Hip-Hop, what better way to start things off with than...

## The Evolution of Hip Hop

By subsetting the data by decades, it will be easy to see how word usage has changed over time. My particular interest is to see which era of Hip-Hop popularized "money and bitches" mentality and what does the current decade hold in the lyrical skills of present day MCs. For obvious reasons, I added some non-traditional stopwords to the analysis. Also take note that the pre 90s Hip-Hop subset has less than 150 observations, while the other eras have plenty more.

The first set of wordclouds has stemming off.

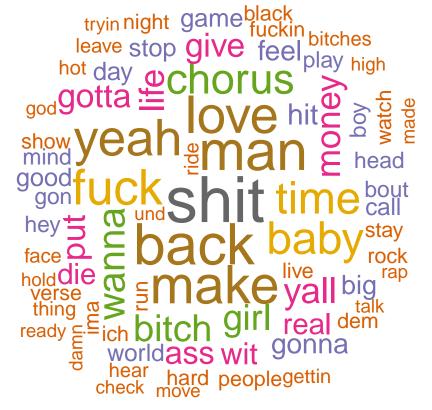
### Pre 1990s Hip Hop (Stemming Off)



1990s Hip Hop (Stemming Off)

```
hold damn
                      black
   pussypeople hard
                      callworld
                                   high
    beat
                                  long thing
                                    game tha
   fuckin
rhymes
                                   hell
brother S
                                  stop 2
   home hey
                                  night
       mind m
                           Ck live break
             bitches things house
```

2000s Hip Hop (Stemming Off)



2010s Hip Hop (Stemming Off)

```
tryna undhead hey
turn chorus leave
hit bitches run
long gon give gotta verse
god wanna back put made
bout fuck overse
heart die girl vean man face
ride ich yean man face
ride ich show black
playfeelhard show black
mind money
fucking
gonna big
hoes damn young
```

## Pre 1990s Hip Hop (Stemming On)

stupid money yall brooklyn nice live feel run movelyric rhyme egg goin tighter def place man hous white michead high serch time and ladi life play time are say hard girl hold of bass rain back hey mind drop style record light gas black brother bust sound door brooklyn nice live feel run movelyric rhyme egg goin tighter word lighter than the sam back hold of bass face hand sam back hey mind drop style record light gas black brother bust sound door brooklyn nice live feel run movelyric rhyme egg goin tighter to hous white michead hous white michead hold of bass face hand bass black brother bust sound door brooklyn nice live feel run movelyric rhyme egg goin tighter word peep look white michead hous white michead hous bass face hand bass black brother bust sound door brooklyn nice live feel run movelyric rhyme egg goin tighter word place make bust soul night says bass face hand bass black brother bust sound door brooklyn nice live feel run movelyric rhyme egg goin tighter word place make bust soul night soul night says bass face hand bass black brother bust sound door brooklyn nice live feel run movelyric rhyme egg goin tighter word place make bust soul night soul night says bass face hand bass black brother bust sound door brooklyn nice live feel run movelyric rhyme egg goin tighter word place make bust soul night soul night says bass face hand soul night says black brother bust soul night soul night soul night says black brother bust says black brother bust soul night says black brother bust soul

1990s Hip Hop (Stemming On)

damnhand run fuckin turn long night kick word gettin world rhyme black beat head, live ride boy hard got dick **ething**bodi thoughtstreet funki gamehome break

2000s Hip Hop (Stemming On)

thug hand rap stay street
fuckin play gotta show
vers real put money head move
watch bitch make
watch bitch make
watch bitch make
hold witgir back game
hold witgir back give
gon loves nit give
gon loves nit give
talk gon loves nit give
wanna fuck yeah hey
die life fuck yeah hey
man babi stop
face o ich chorus ass turn baby
black peopl gonna bout ride hear

2010s Hip Hop (Stemming On)



It's pretty easy to see Hip-Hop has gotten a lot more vulgar since its conception. The rise of "money and bitches" can be attributed to the 90s and carrys on today.

I find it pretty interesting the type of words that are common in the more vulgar eras don't actually rhyme with each other. Is Hip-Hop becoming less creative and reliant more on filler words? I'd say that is somehwhat true if we are to generalize. Contrasting stemming on or off, however, it looks like people are getting more creative with different variations of their vulgarities.

# But Wait, There's More!

Just for fun, here's worldclouds, with stemming on, of other genres!

Top Row: Pop, Jaaz, R&B

Middle Row: Electronic, Metal, Country

Bottom Row: Rock, Folk, Indie







# **Closing Comments**

Personally, I find it pretty funny most generes of music have "love" as their top word, besides Metal and Hip-Hop. Does this mean most music was derived from love? Or could it be a sign that music was created as a mating ritual (assuming mating biologically evolved into our concept of love)?

What does this say about the genres of music not as focused on love? I belive it shows the nature of metal and hip hop. I don't listen to metal music, so I can't comment without genearlizing the whole genre. However, I can say that not all Hip-Hop is about "money and bitches" and, at least in my view, the quality Hip-Hop has subject matter deeper than soley materialistic matters. At least for me, this just goes to show that "good" Hip-Hop is hard to find, especially in recent times.

#### Sources

Kaggle: https://www.kaggle.com/gyani95/380000-lyrics-from-metrolyrics

MetroLyrics: Original source of Kaggle data