Module 4
DJ Training

HEART OF THE DANCE

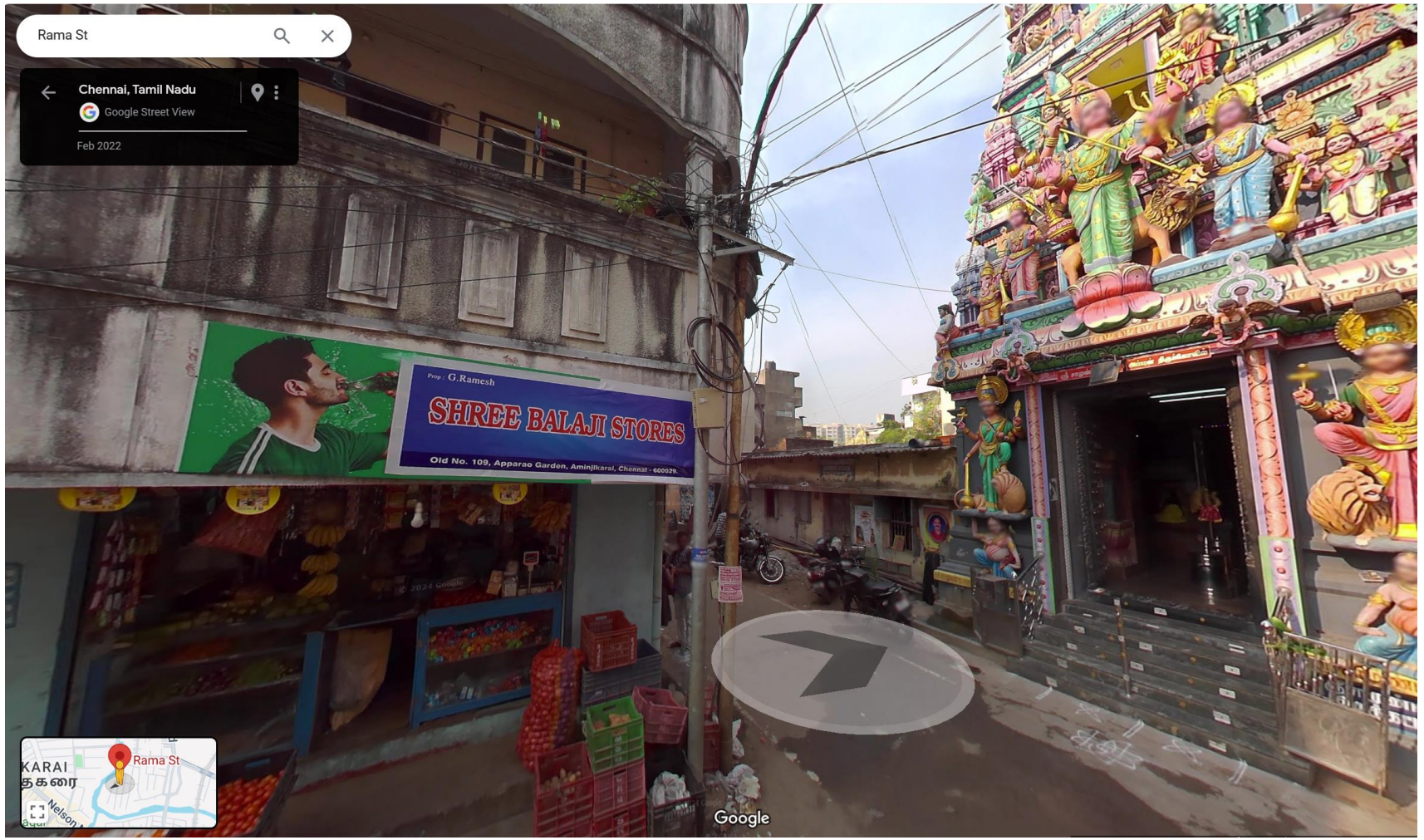
Homework...

Module 4 - What do these buttons do?

Volume, phrase & sync mixing

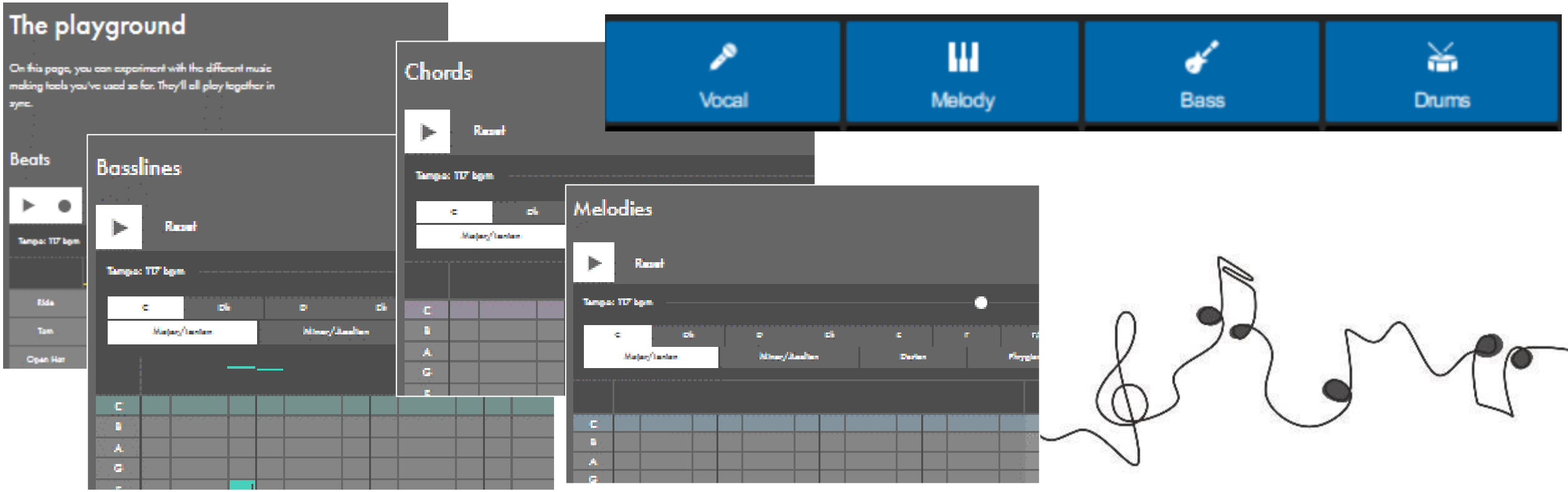
Find two songs that you like and mix them while making use of volume, phrases and sync. In case you don't have a software program yet, then mix them using volume only...

Let's boogie on Rama street..



Which sounds work well together ?

- Last week – Beat matching (syncing), song structure
- Now – type of sound & key



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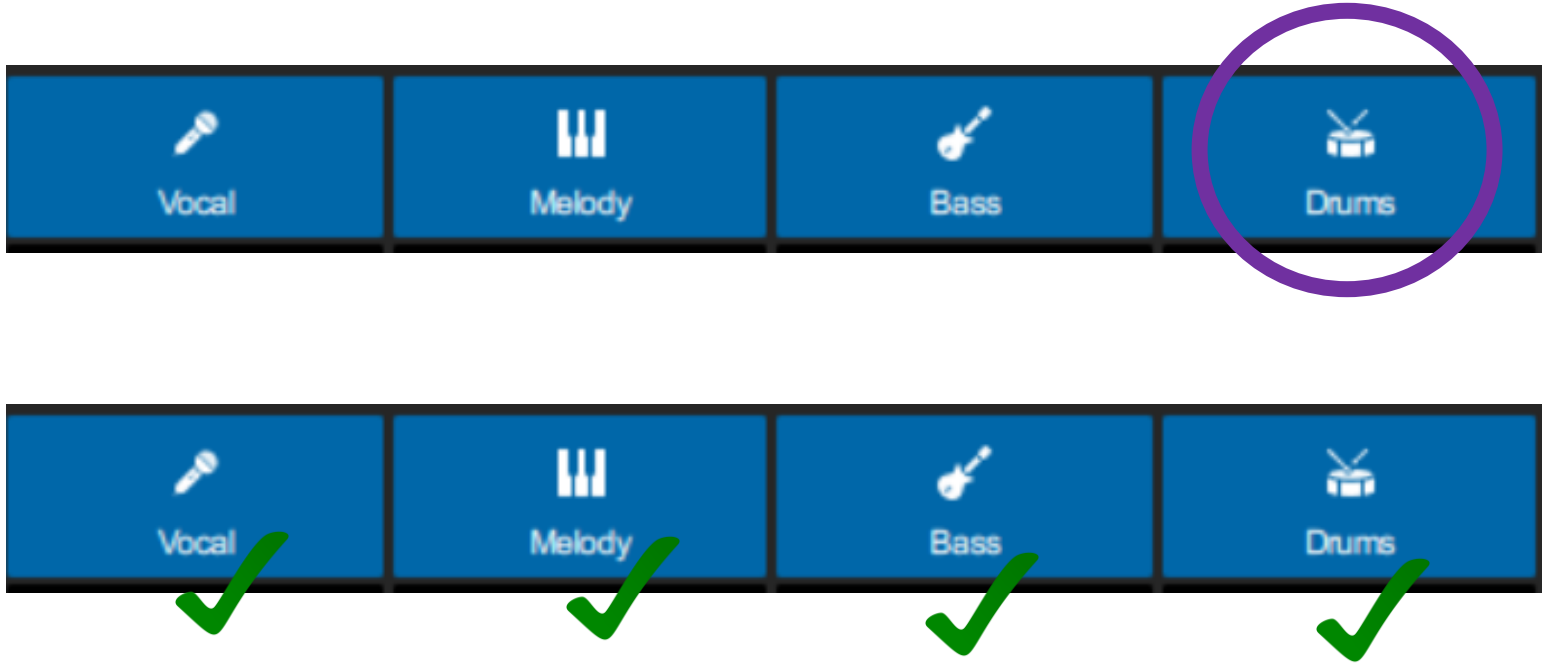

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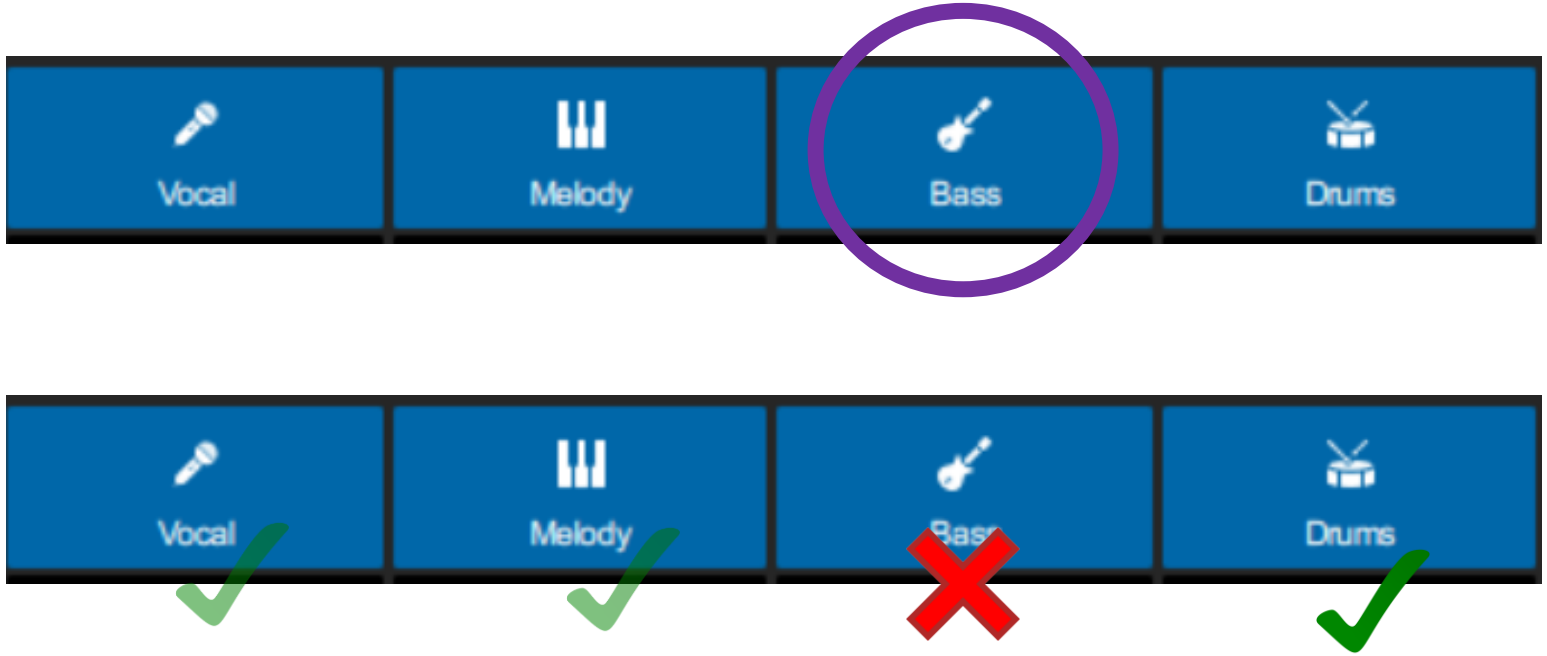

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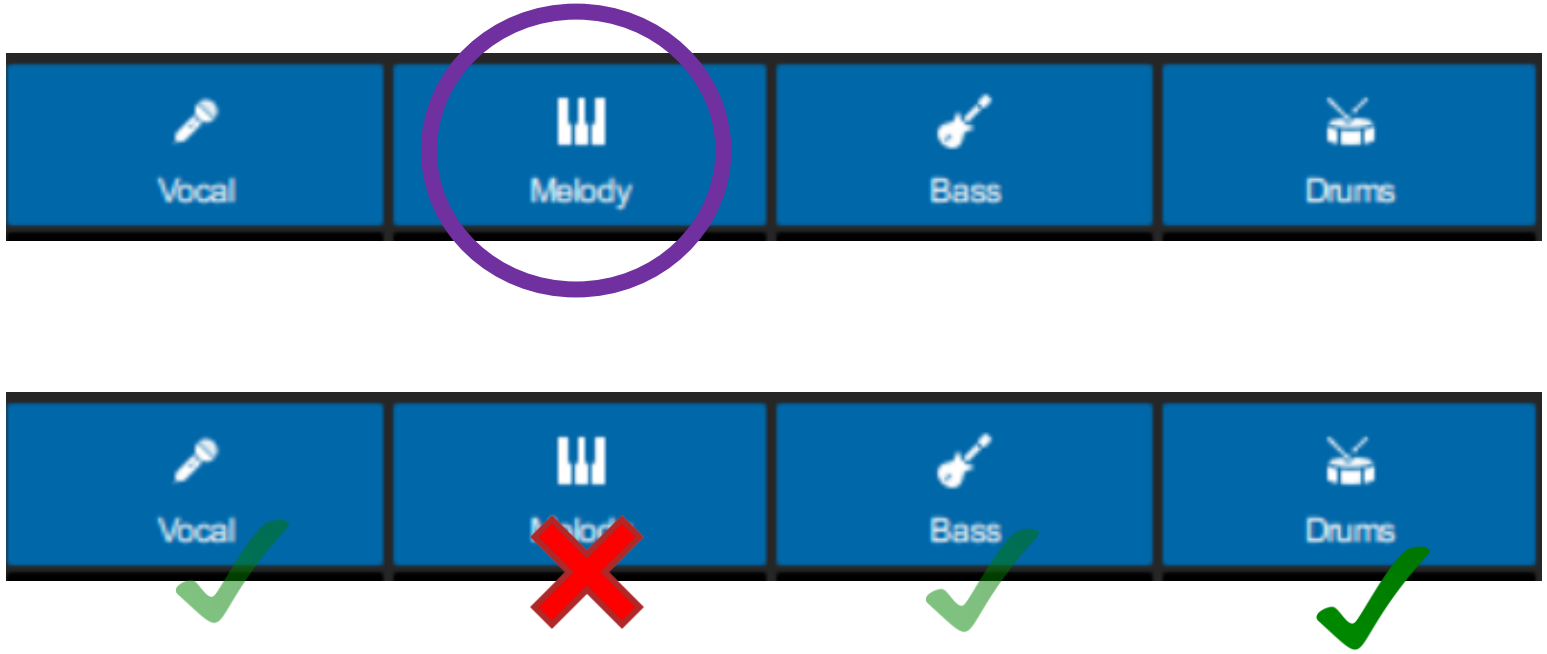

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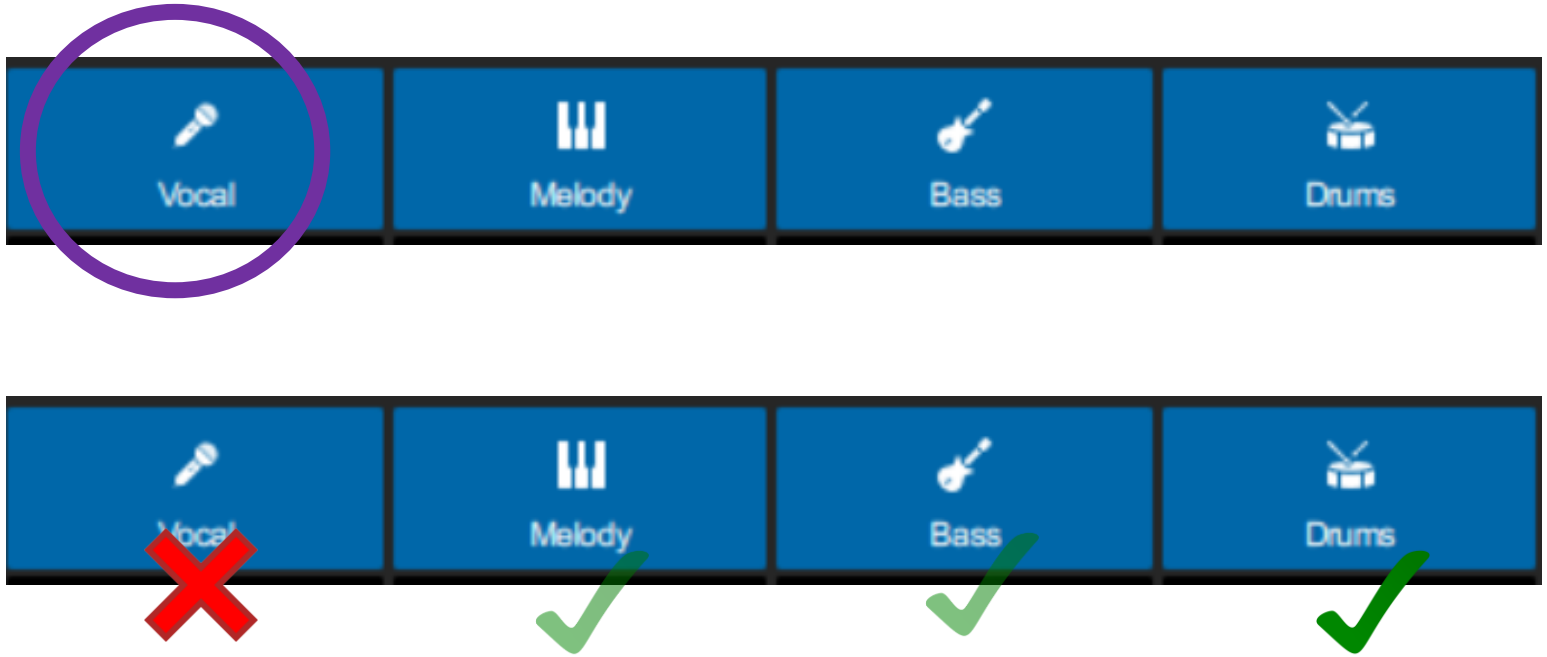
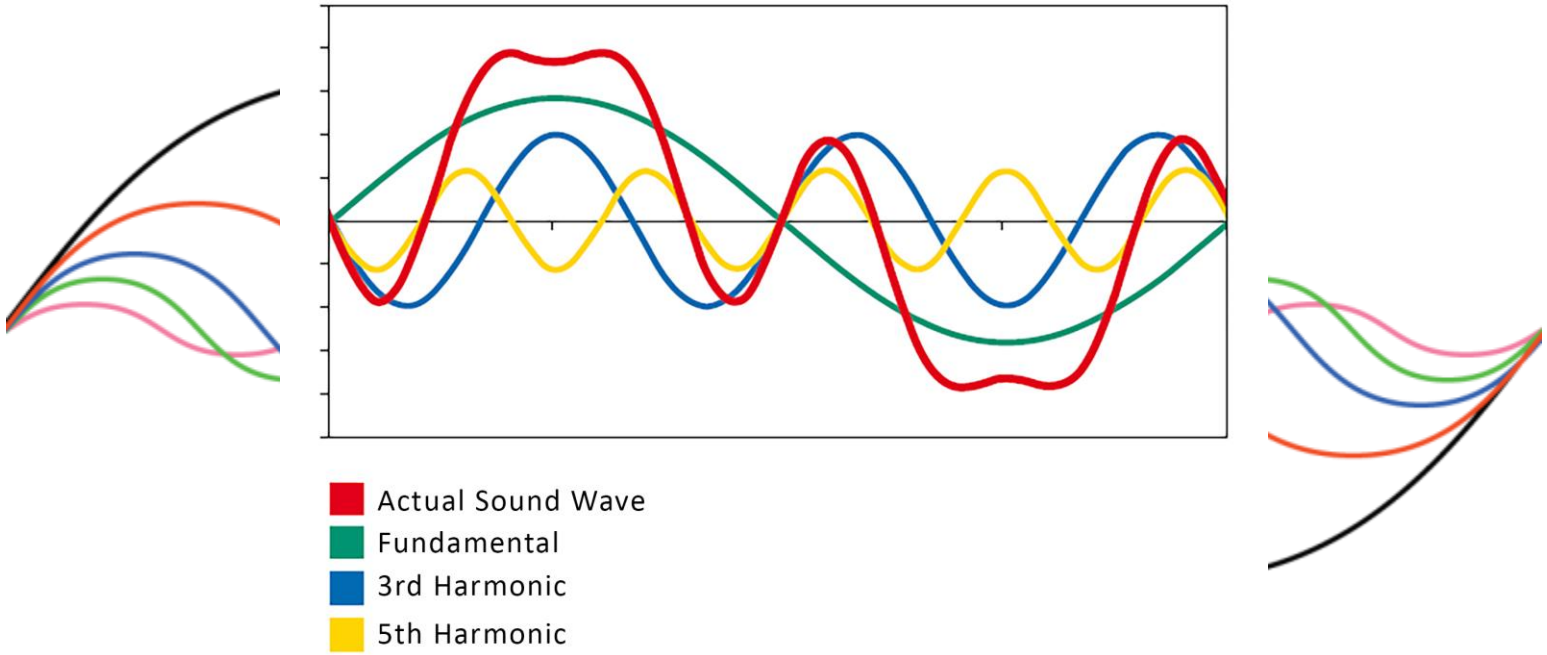


Keystone of Music

Harmonic Overtone Series String Vibration Patterns



Excerpted from "Where Does Sound Come From?: Volume 1"
by M. Schottenbauer, Ph.D. (2014), p. 145.

Let's listen to some key changes

pianote

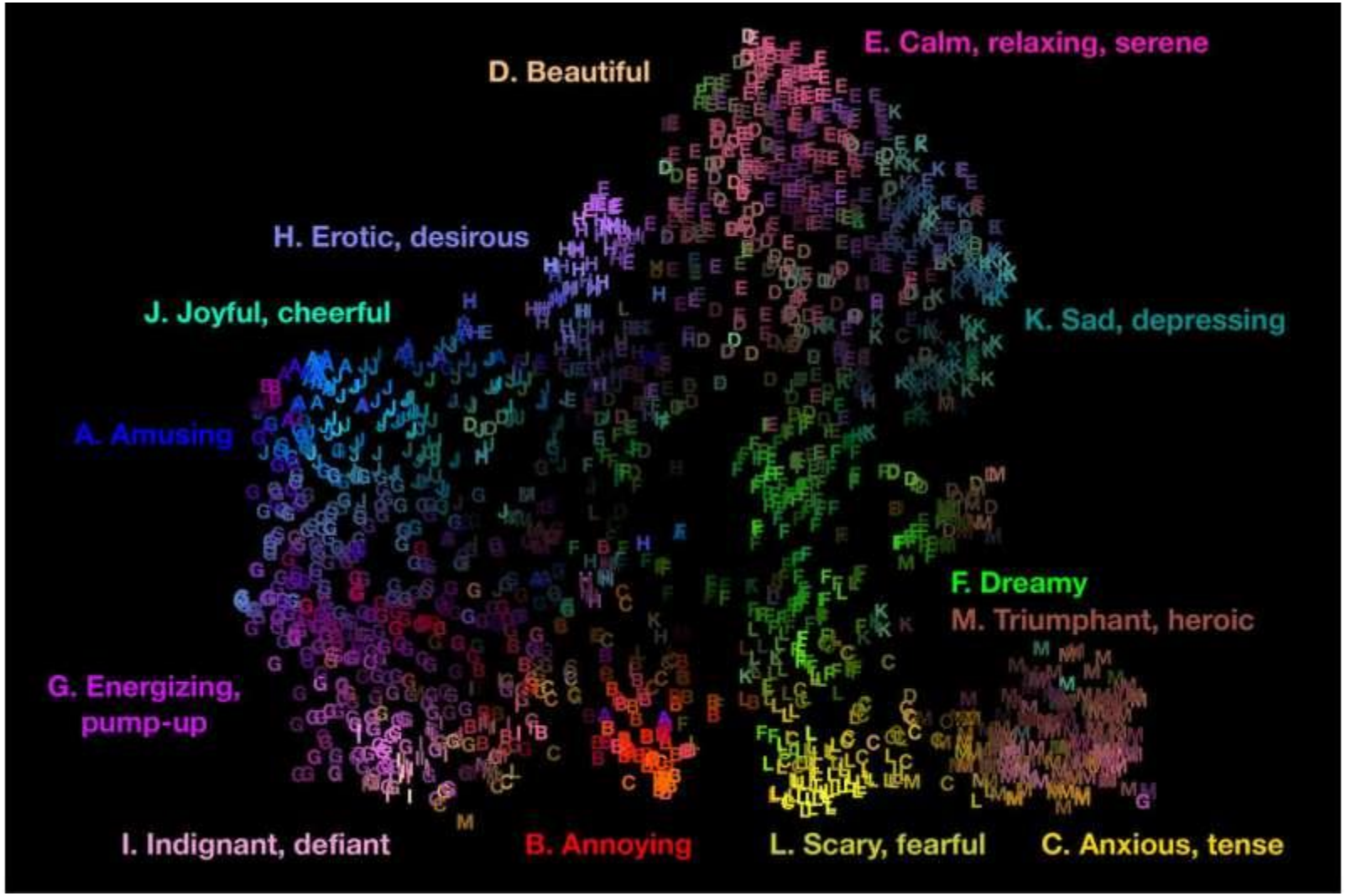
Do music keys have different feelings?

KEY: FEELING?

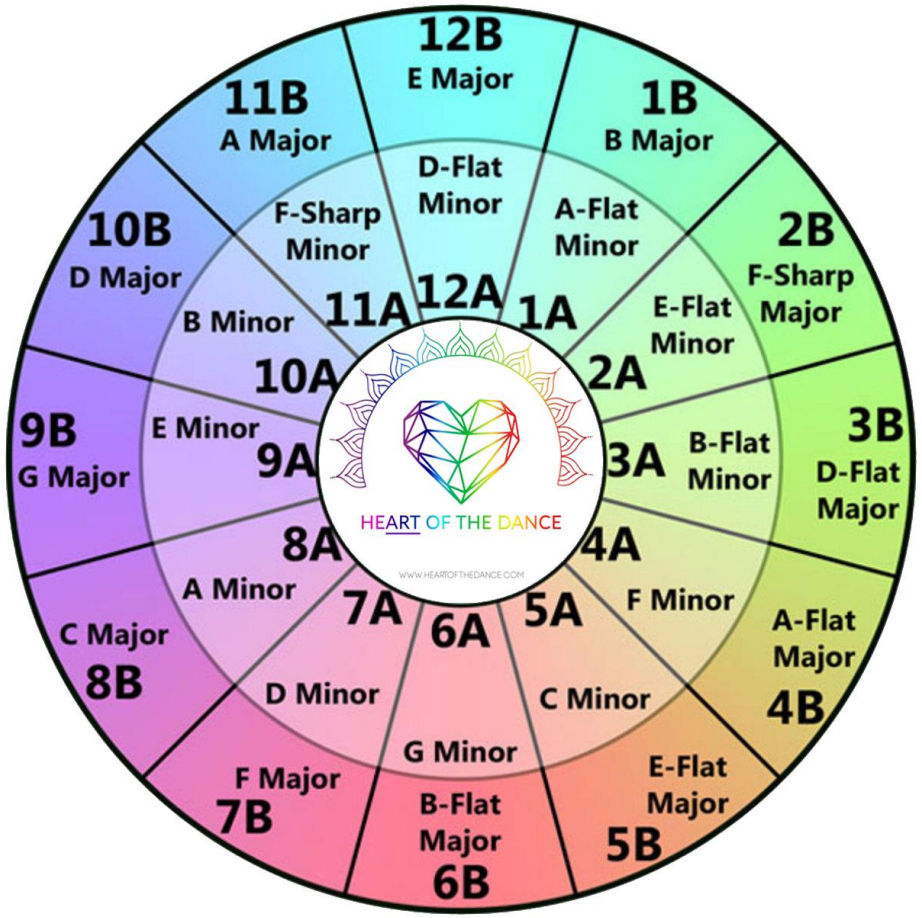
KEY	DESCRIPTIVE COMMENTS
C major	Gay and very warlike
C minor	Obscure and sad
D major	Cruel and hard, quarrelsome
D minor	Serious and pious
Eb major	Cruel and hard
Eb minor	Effeminate; amorous, plaintive
F major	Furious and quick-tempered
F minor	Obscure and plaintive
G major	Serious and magnificent
G minor	Serious and magnificent
A major	Joyful and pastoral
A minor	Tender and plaintive
B major	Harsh and plaintive
B minor	Solitary and melancholic
Bb major	Magnificent and joyful
Bb minor	Obscure and terrible

Key descriptions taken from Charpentier's 'Regles de Composition'; circa 1682

Let's listen to some key changes



Mixing in Key

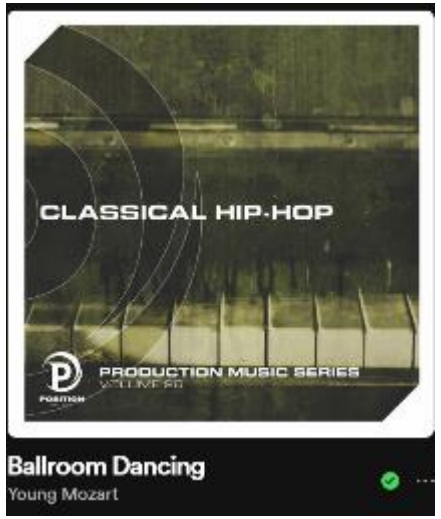


djay Pro
djay PRO
Two Decks
SYNC
VOCALS
FILTER
HARM.
DRUMS
Set
4
DRUMS
BASS
HARMONIC
VOCALS
NEURALMIX
Music
Search My Collection
Playlists
Music
No Songs
Music 271 Songs
Search
Title
Artist
Album
Genre
Time
BPM
Key
Rating
Year
Comments
Kind
Take My Leave of You
Arnor Dan
Other
02:43
120
6A
MP3-bestand
Blooming in the Valley
Omid Shabani
Blooming in the Vall...
Alternative
03:28
80
7A
MP3-bestand

THAT MOMENT
BEFORE THE BEAT DROPS
Make a Meme

The **Beat** (or pulse or BPM)

The **Beat** (or pulse or BPM)



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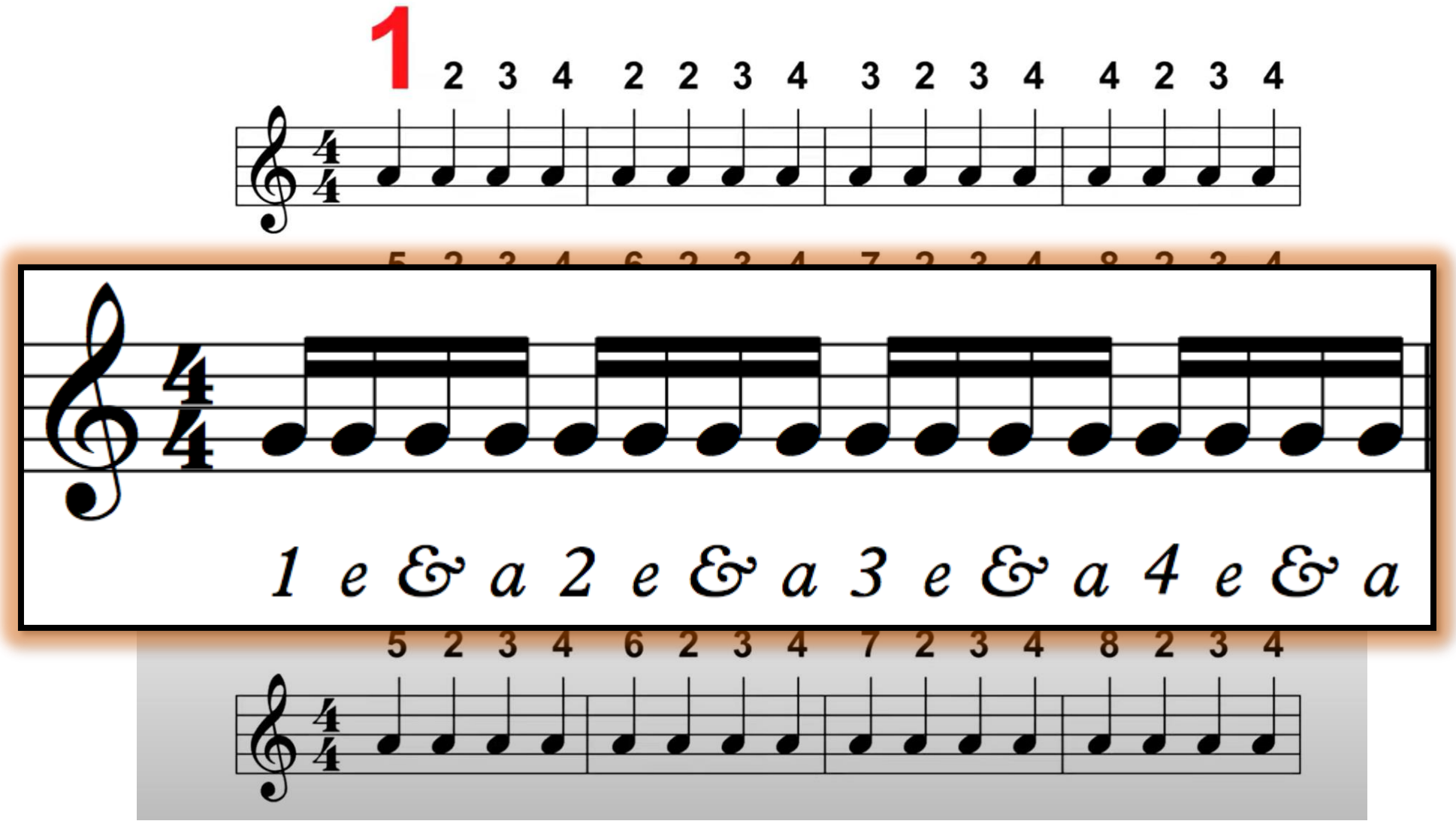
The **Beat** & **Rhythm**

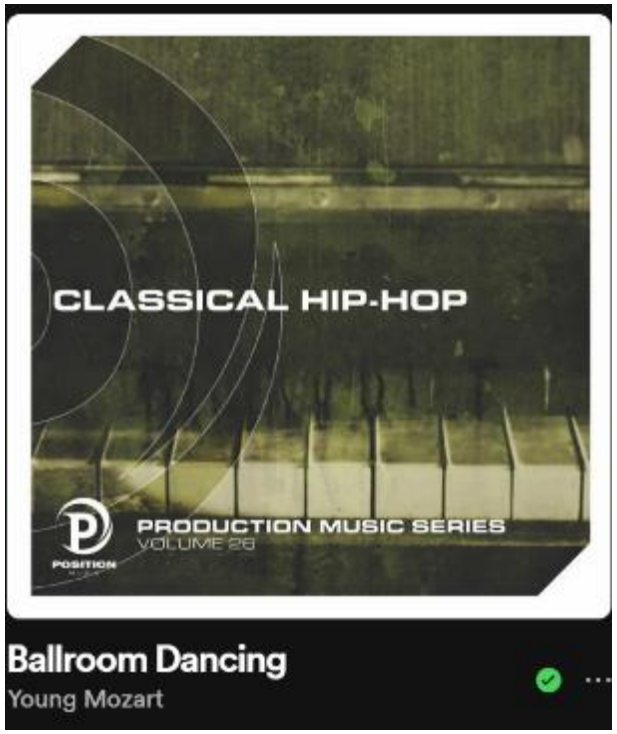
- A beat = a single unit of time
- **Rhythm** uses alternating patterns of accented beats and unaccented beats.

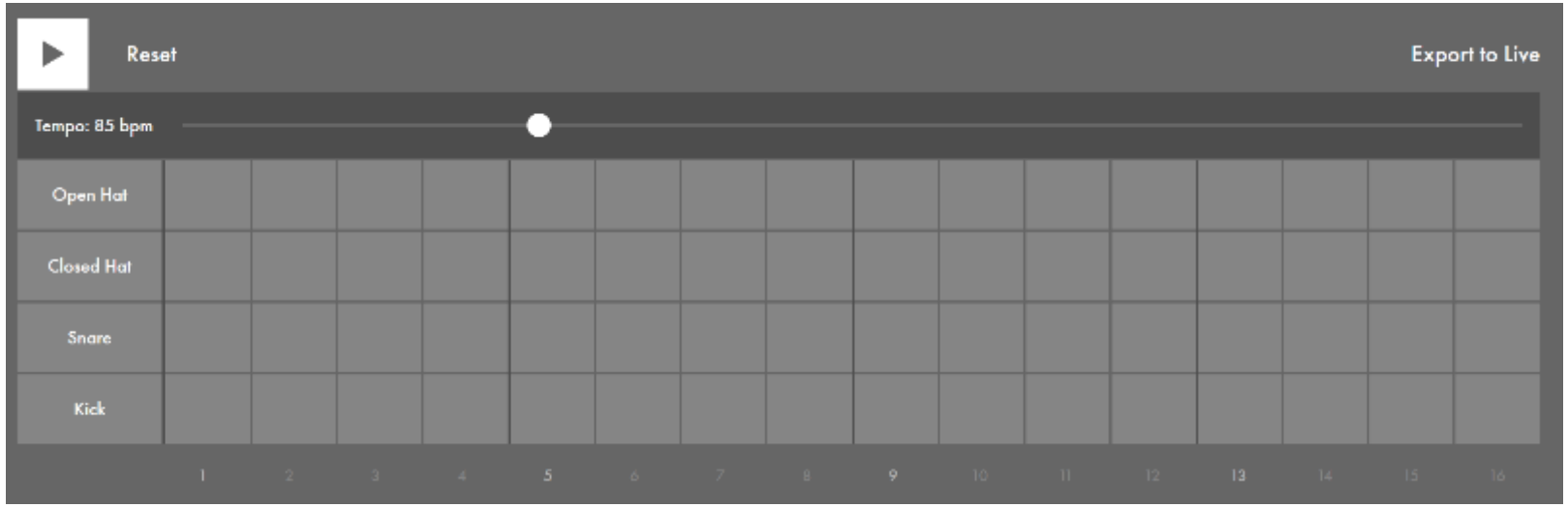
- Accented beats = the pulse that you tap along, and Unaccented beats are the other beats around it

Counting Music

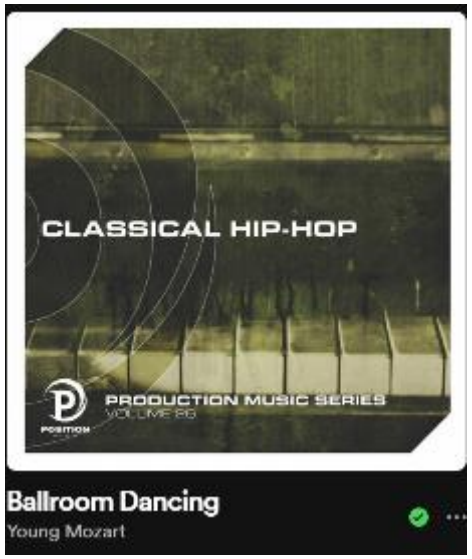


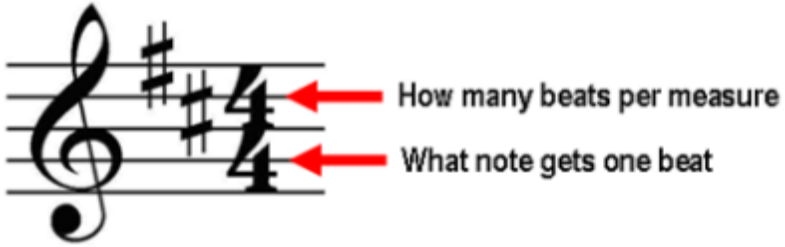
Let's listen closer...

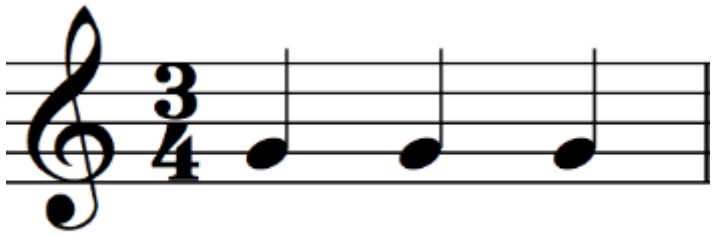


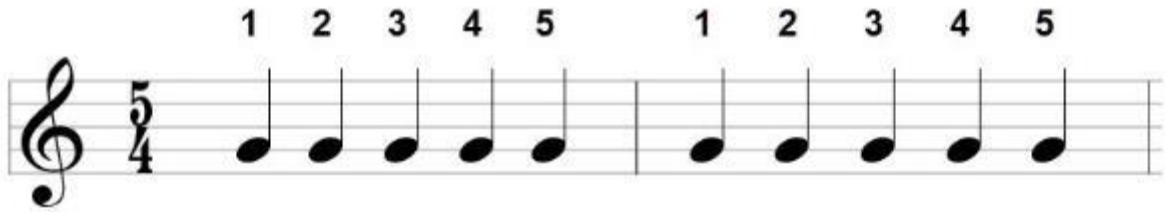


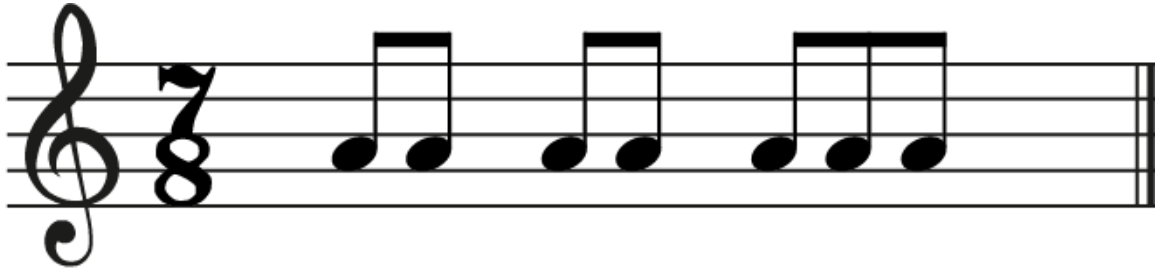
Time Signatures











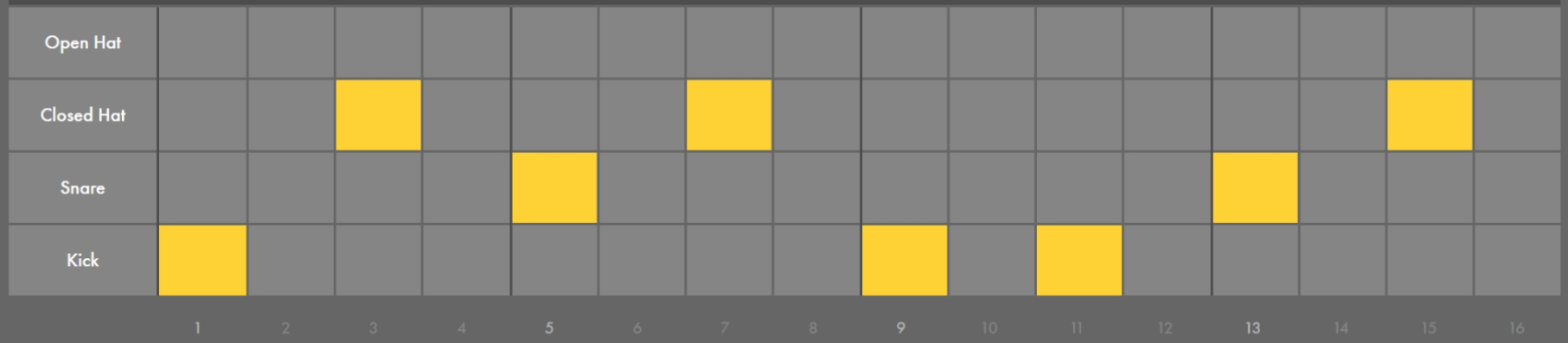
Chapters

Basic rock beat

Reset

Clear Export to Live

Tempo: 97 bpm

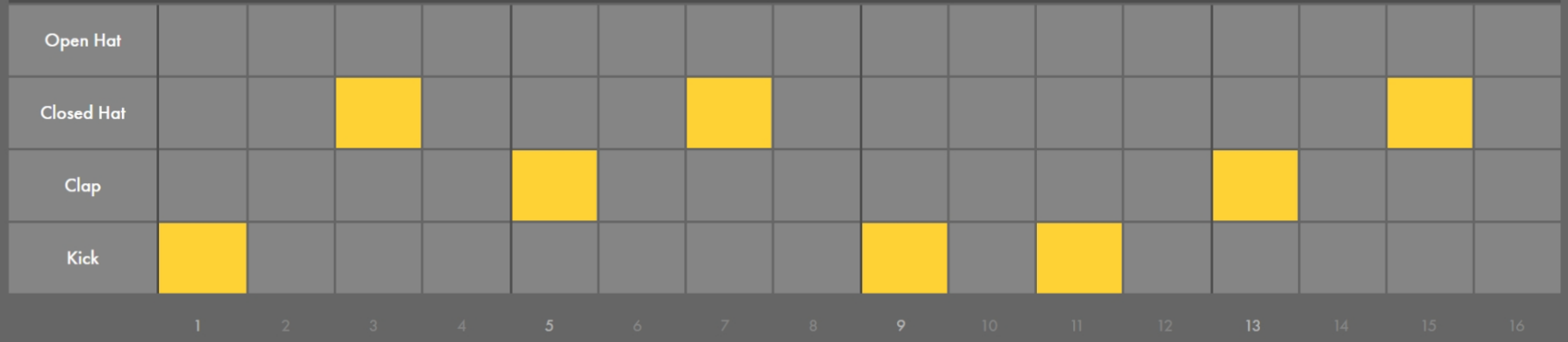


Classic house

Reset

Clear Export to Live

Tempo: 97 bpm

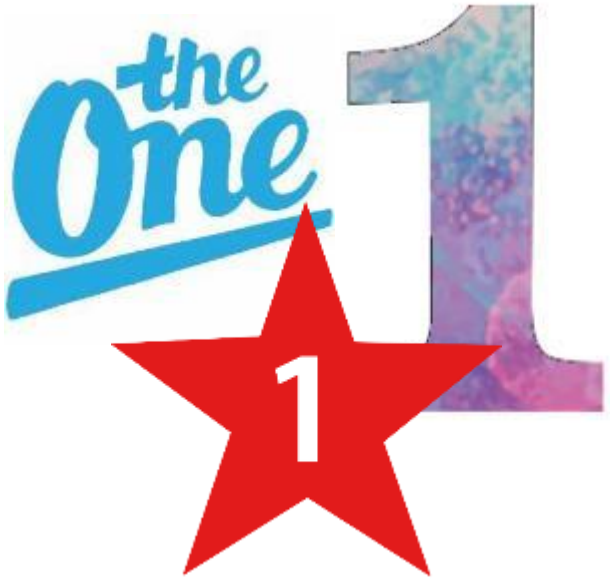


Let's listen closer...

Using beats - bars - phrases

- DJ software:
  - Music Library, Tool for Djing, and… for **music analysis**
- Beat is mapped to a **beatgrid**
  - 4/4 time is common, but there are also other time signatures
  - (Beat grid has trouble mapping uncommon time signatures)
  - Quantize snaps it to the beat grid
- Wave form hints the song structure
  - Amount of bars in phrase depends on genre.
  - Vocal based music (like pop, rock, and hip hop) < EDM
- Beatjump: helps you count the bars in a phrase
- Cue points or hot cues to mark the phrases
- Mix using phrasing..

Using the One

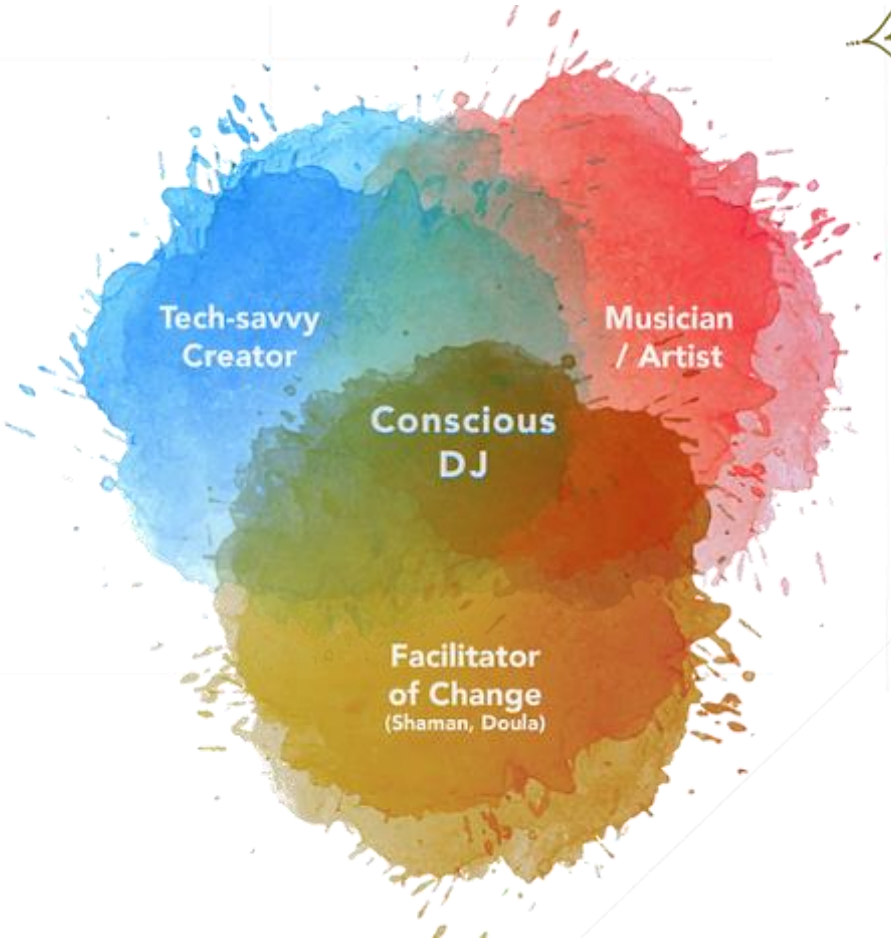


Time your changes on the one:

- Changing volume, tempo, key
- Applying FX, Filter

Use the one at the beginning of a phrase:

- To beat jump
- To Mix
- To play with cue points



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