

Música & Tech

EU IPO | LA Invest Verde DPI
Escola Paulista da Magistratura



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Global recorded music revenue share by format - 2024

+4.8%

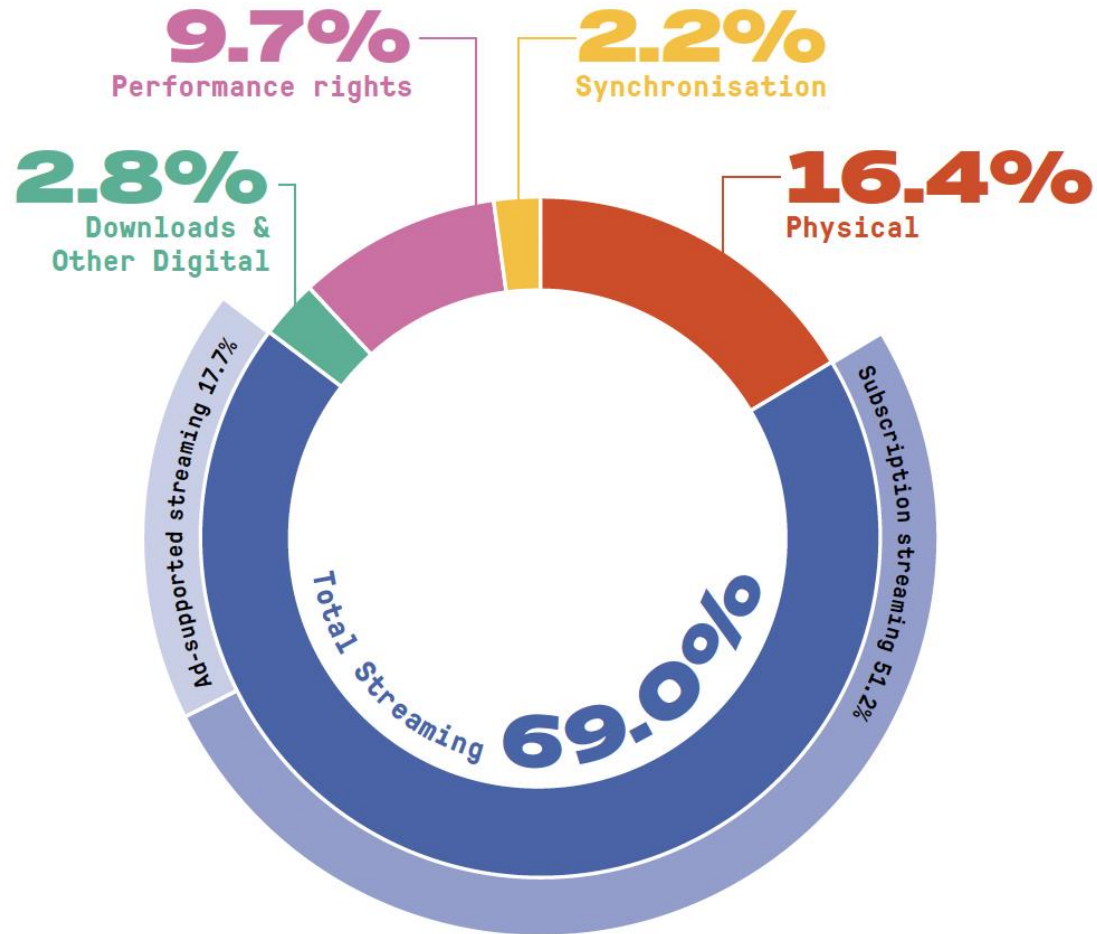
Global revenue
growth

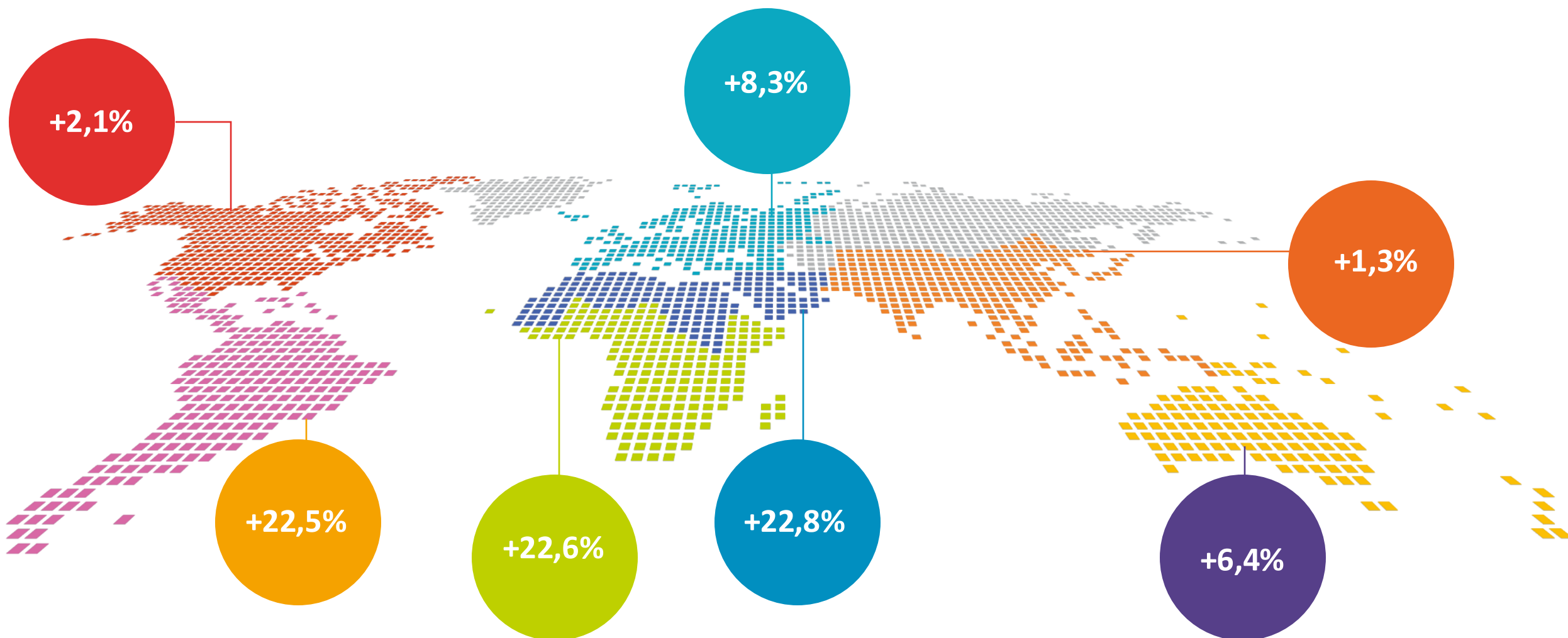
752M

Users of
subscription accounts

+9.5%

Growth in subscription
streaming revenues



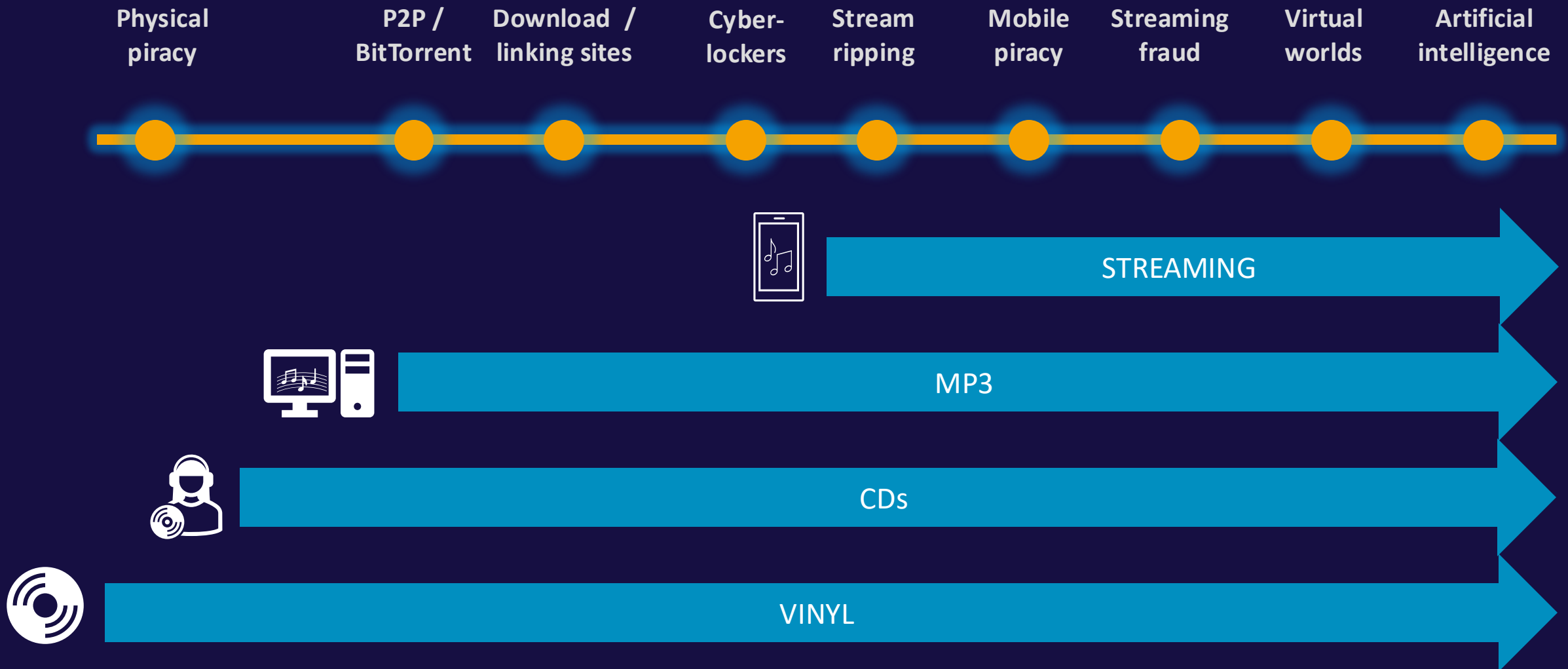


Mais que números

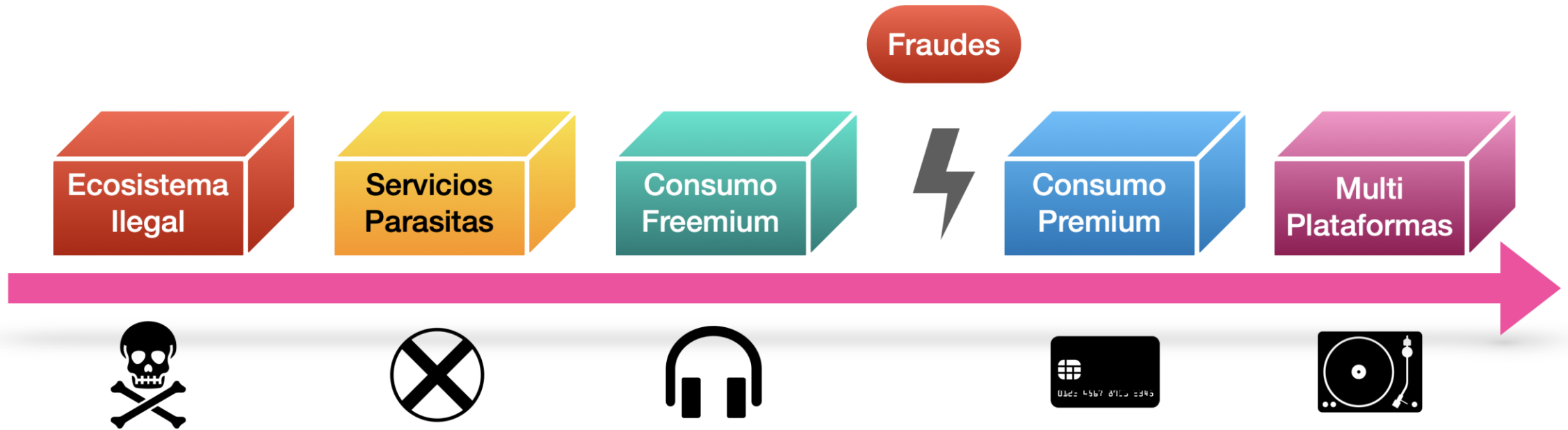


- LatAm se torna região exportadora de artistas e conteúdo criativo – economía digital criativa consolidada
- Crescimento consistente esustentavel
- Atrativo para investimentos na cadeia produtiva
- Mercado externo (US Latin) esta cada vez mais fortalecido

Evolução da pirataria



Ecosistema de Música Digital



Panorama de Cibersegurança Pública

Impacto no ecossistema ilegal

Impacto direto em consumidores

- **Proteção de dados**
- **Proteção contra malware**
- **Proteção a consumidores contra fraudes**

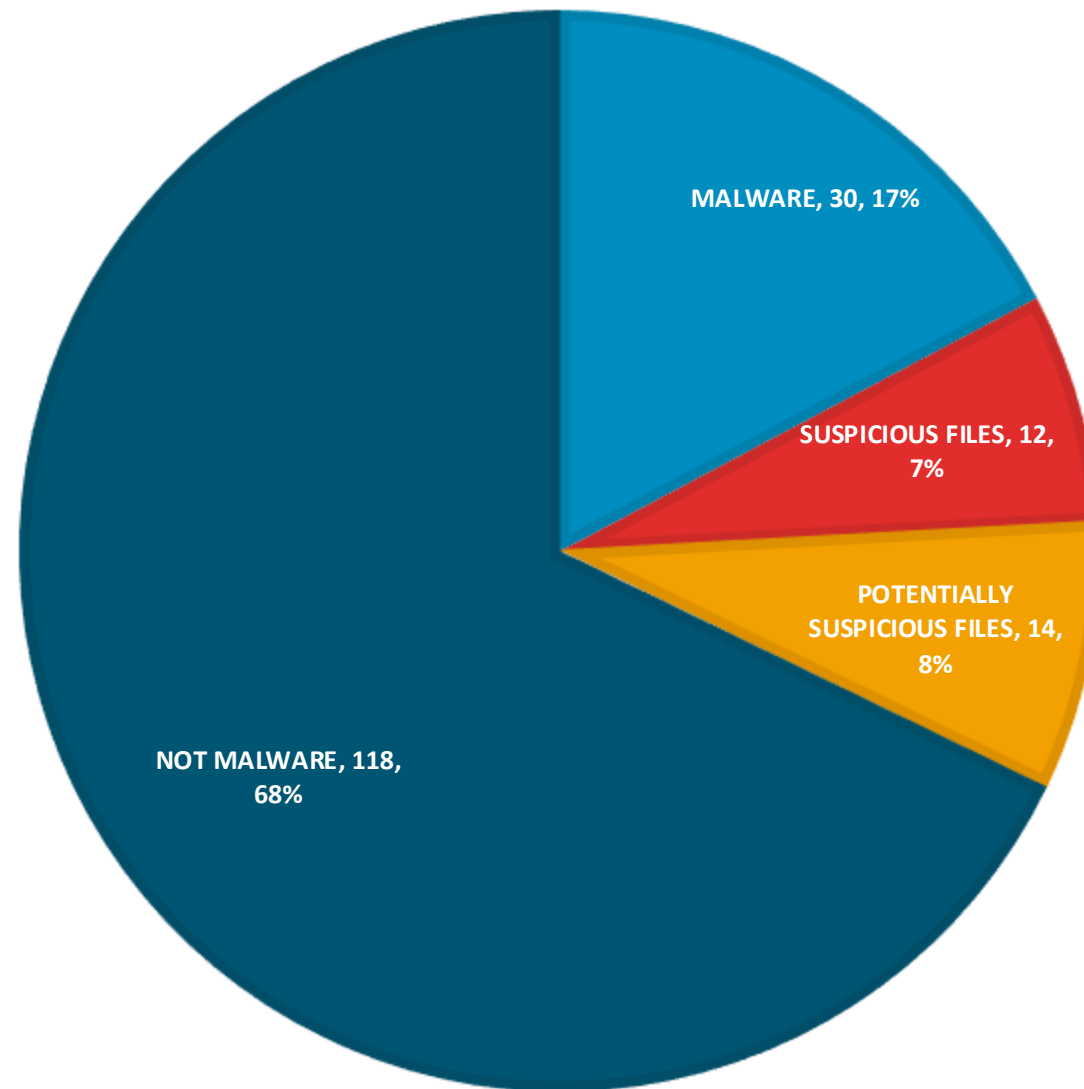
Colaboração multisectorial – novos ciclos positivos

Novas ferramentas – ameaça invisível

- LLMs e plataformas de IA customizadas
- Malwares e coleta massiva de dados pessoais

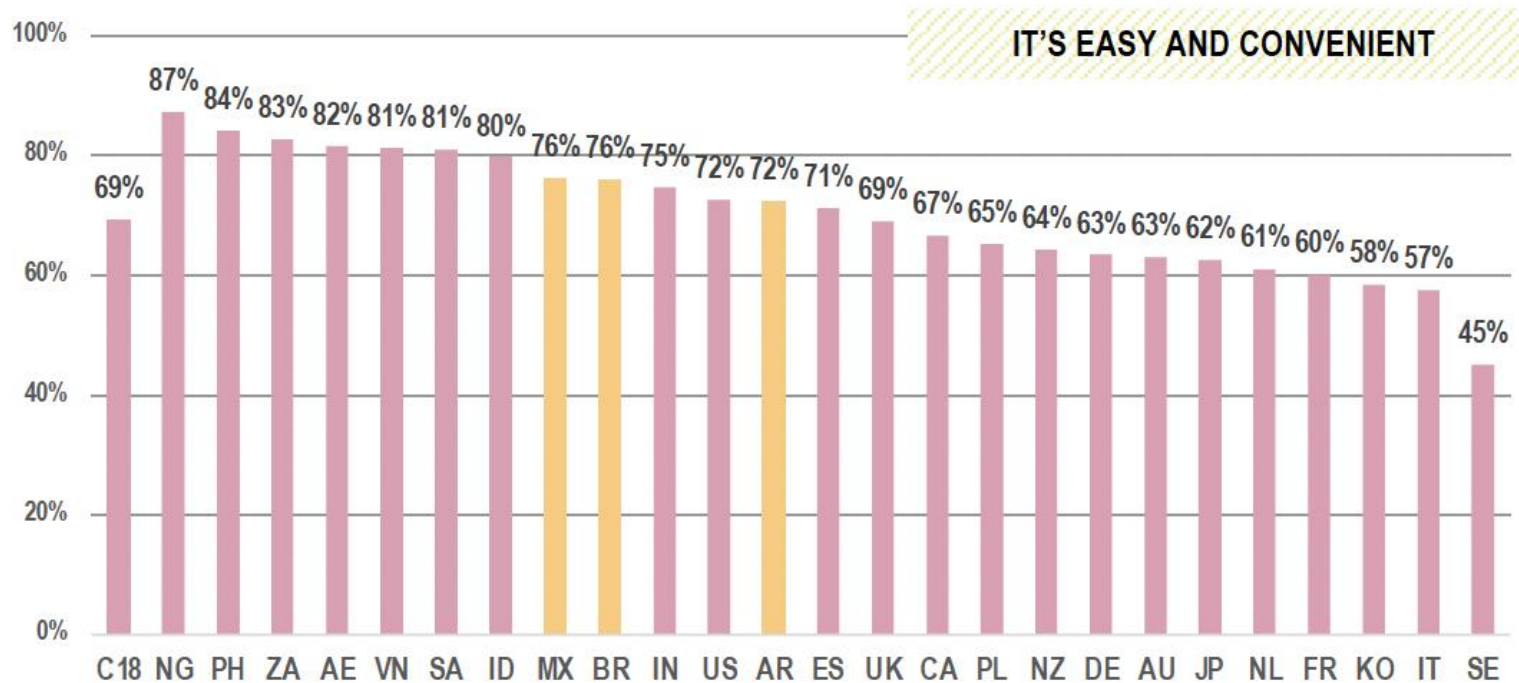
MALWARE

■ MALWARE ■ SUSPICIOUS FILES ■ POTENTIALLY SUSPICIOUS FILES ■ NOT MALWARE



Stream-Ripping (Music Consumer Study)

- Visibility and accessibility are still a relevant point
 - Easy access (search engine represents over 80% of traffic source)
 - User friendly and 'safe' interfaces

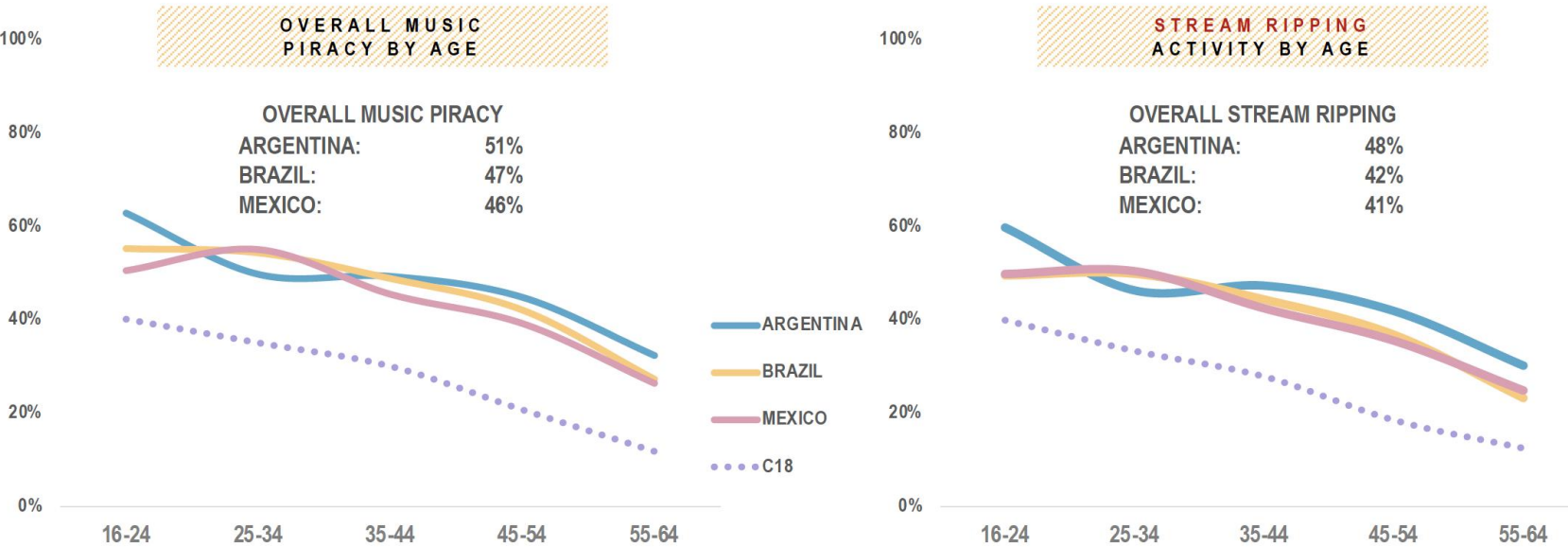


Stream-Ripping and Mp3 Download Sites

Music Consumer Study



PERCENT PIRATING MUSIC IN LAST MONTH



Prevalência de pessoas que se declararam vítimas de crimes patrimoniais nos últimos 12 meses,

Por grupos de crime no Brasil*



	Prevalência (em %)	População média atingida (em milhões de habitantes)	Prejuízo médio agregado (R\$ bilhões)
Sofreu um crime patrimonial tradicional, com interação física	21,8	36,8	29,6
Vítima de fraude em meio digital com prejuízo financeiro direto	33,4	56,4	111,9
Crimes virtuais de vazamento de dados/identidade	31,4	53,1	54,5
Sofreu uma tentativa de golpe virtual, que pode ou não ter implicado em prejuízo financeiro	36,3	61,3	
Desconfia que foi alvo de fraude ou golpe	28,8	48,7	

MIGRAÇÃO DO CRIME DO REAL PARA O VIRTUAL: EPIDEMIA DE FRAUDES

408%
DE CRESCIMENTO DESDE 2018

2.166.552
ESTELIONATOS EM 2024

4 GOLPES
POR MINUTO

TAXA BR: 1.019,2
POR 100 MIL HABITANTES



Fonte: Fórum Brasileiro de Segurança Pública e Instituto Datafolha • *Pesquisa realizada em 2025.

MAIORES TAXAS

SP - 1.744,0
DF - 1.681,3
PR - 1.339,5

GOLPES POR
100 MIL



BAIXA CAPACIDADE DO
SISTEMA DE JUSTIÇA DE
PROCESSAR ESSES CRIMES
GARANTE A IMPUNIDADE

POLICRIMINALIDAD DIGITAL

DATOS ALARMANTES

Riesgo	Porcentaje
Links musicales con redirecciones maliciosas	62%
Archivos .EXE disfrazados de MP3	78%
Víctimas que no verifican la URL	91%
<i>(Datos: Kaspersky 2024)</i>	





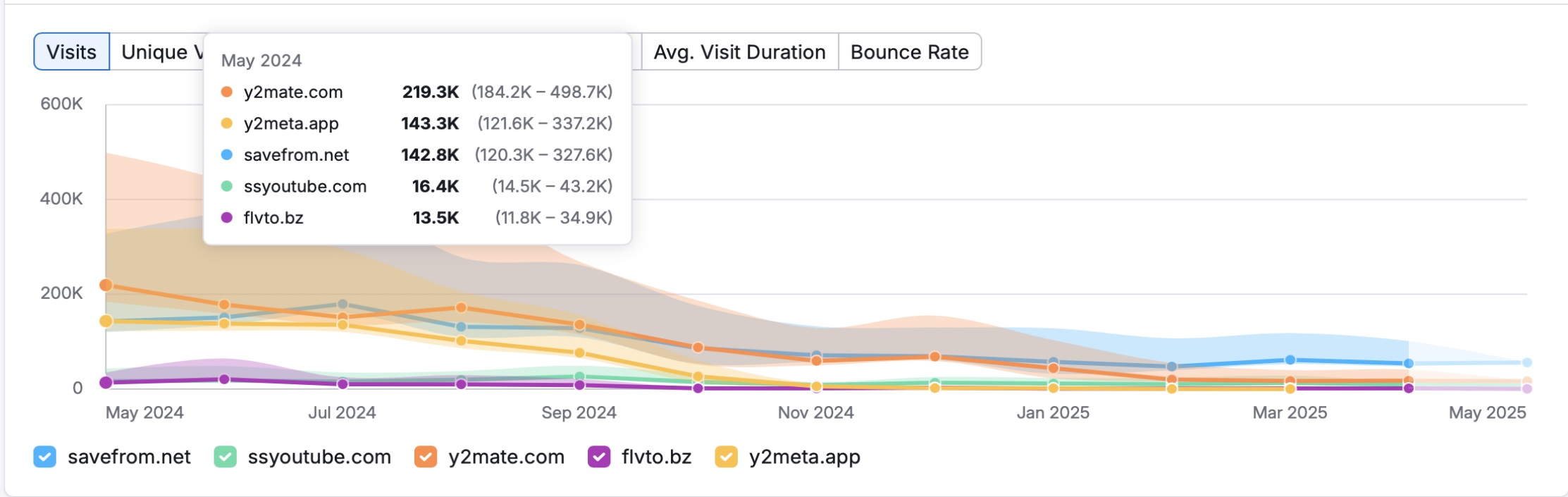
Summary

Export

Target	Visits	Unique Visitors	Purchase Conversion	Pages / Visit	Avg. Visit Duration	Bounce Rate
savefrom.net	1.2M ↓	529.5K ↓	n/a	1.9 ↓	07:46 ↓	68.14% ↓
ssyoutube.com	176.4K ↓	108.4K ↓	n/a	1.6 ↓	04:23 ↓	67.67% ↓
y2mate.com	1.2M ↓	321.4K ↓	n/a	2.7 ↑	09:35 ↓	58.22% ↓
y2meta.app	631.4K ↓	221.5K ↓	n/a	2.7 ↑	09:46 ↑	58.61% ↓
flvto.bz	72.1K ↓	20K ↓	n/a	8 ↑	06:07 ↑	26.14% ↓

Traffic Trend

Export



☒ savefrom.net

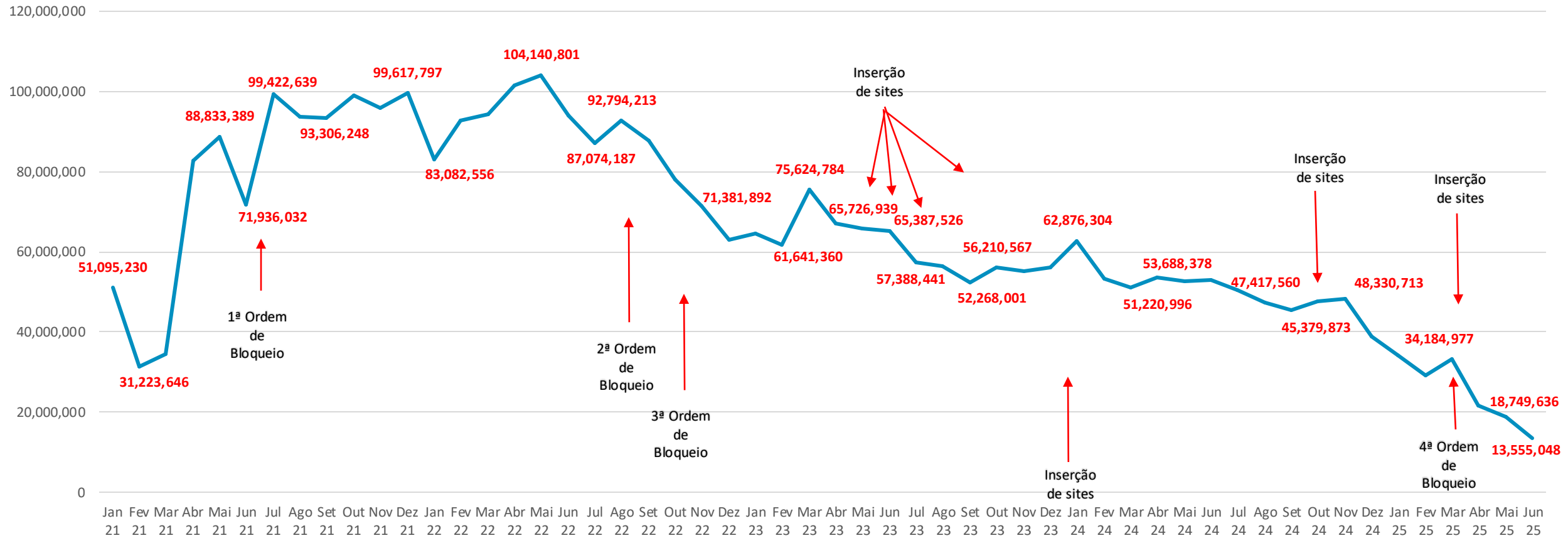
☒ ssyoutube.com

☒ y2mate.com

☒ flvto.bz

☒ y2meta.app

Stream Ripping 633 Sites em Bloqueio 2021-2025



AI | Music

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02

Dois tipos de IA impactam setor musical diretamente



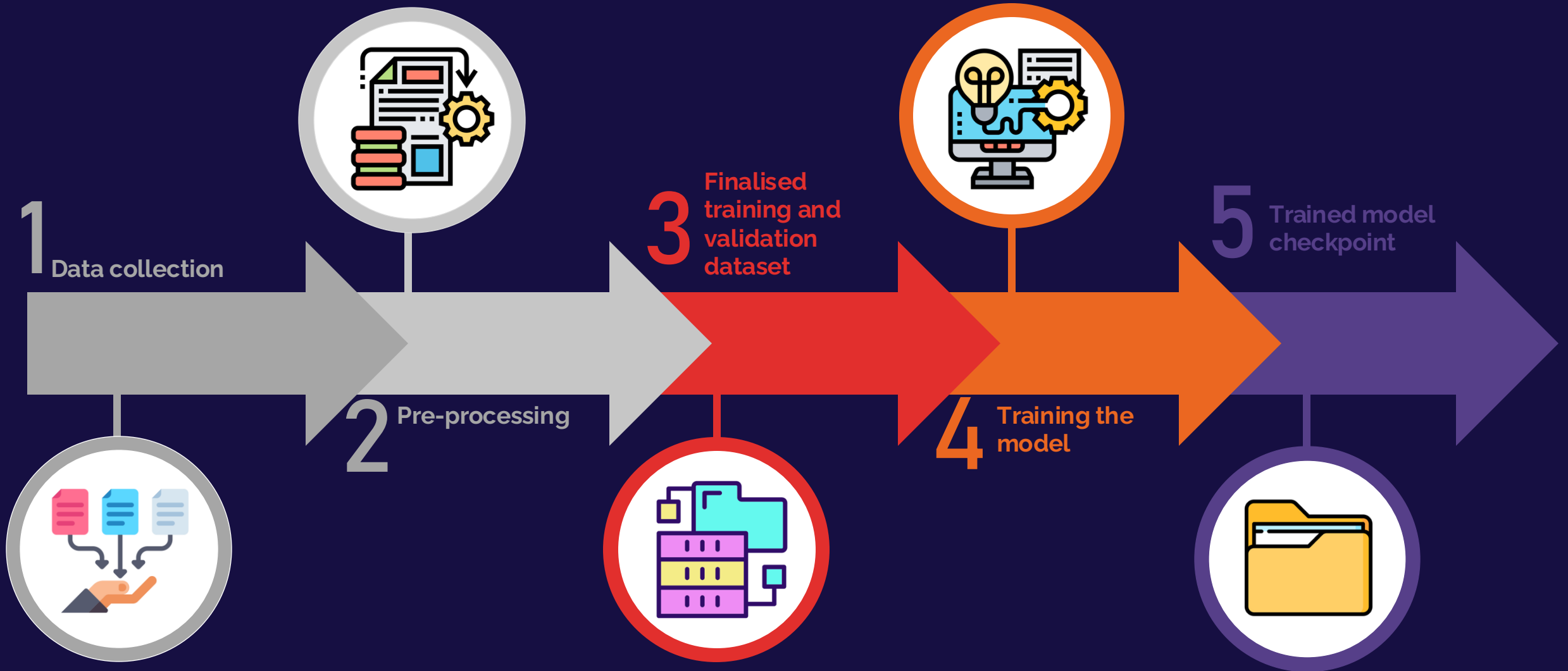


Generative AI

Plataformas e

Tipos de infrações

Treinamento de modelos de AI Generativa



Tipos de AI Generativa



Large Language models



Text-to-music



Text-to-video



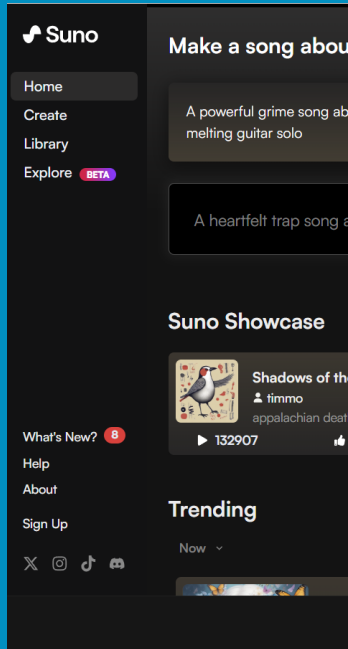
Text-to-image



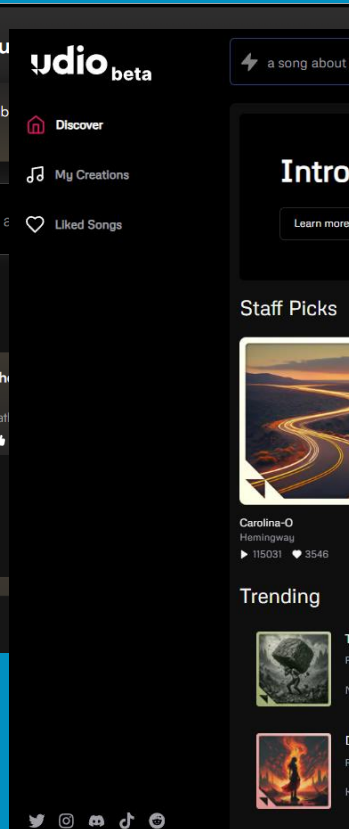
Multi-modal

Audio generators/ text-to-music

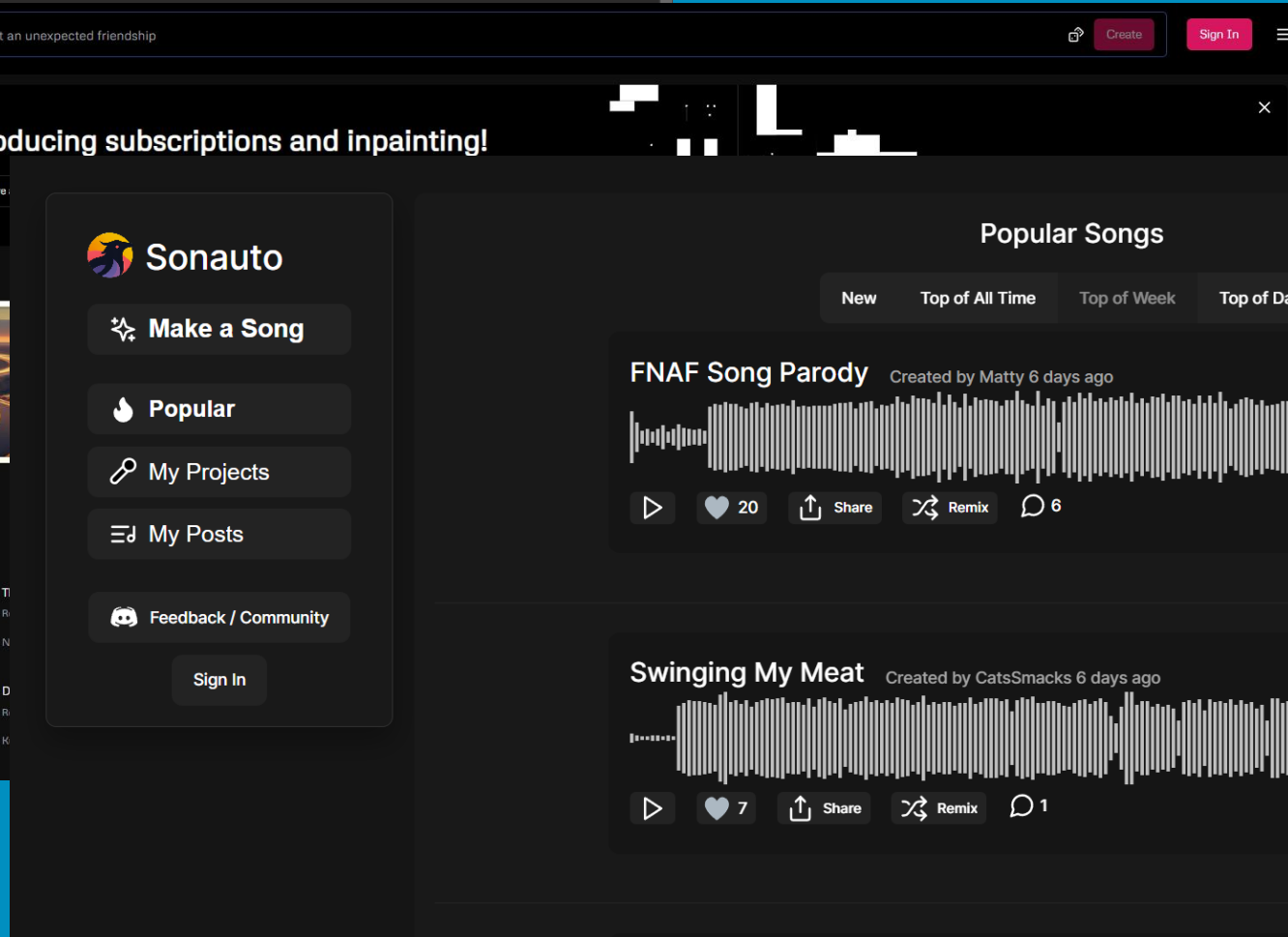
Platform examples



<https://suno.com/>



<https://www.udio.com/>



<https://sonauto.ai/Home>

Generative AI - Sound recordings

Example output



Home

Create

Library

Explore BETA

What's New? 8

Help

About

Sign Up

▶ 3350

👍 59

🗨

...

🔗 Share Song

🎵 Reuse Prompt

v3

15 May 2024 at 13:47

Shadow

TriloMusic

dark, anxiety, drums, intense dark iano, depression with a dark demon voice on some parts

(Verse 1)
One step in the dirt
One step in the tomb
Silent as the night, shh
I can hear you from across the room

Flee from the town
All you need is your name
With sweat on your brow
And life pulsing through your veins

(Pre Chorus)
Don't hesitate
You'll be gone in an instant

Shadow

TriloMusic

👍

🗨

🔗

...

⏮

⏸

⏭

0:00

3:20

🔁

🔊

By TriloMusic

Trending

Suno Tutorial

Nanashi_Zero...

lo-fi, cute girl voice

▶ 86418

👍 790

🔗

...

We are all alone

Sir Wog

Melodic Techno, , Sad ,...

▶ 31577

👍 517

🔗

...

Glass Heart

Nanashi_Zero...

Catchy Instrumental intro...

▶ 257060

👍 1730

🔗

...

Vampire's Kiss

Marr

Power Metal ,...

▶ 1967

👍 37

🔗

...

Letting Go

~ Chibiitai ~

<https://suno.com/song/65820a13-9227-453f-8c07-402b1221c76c>

Generative AI - Sound recordings

Example output



ud.io beta

⚡ a song about finding a message in a bottle

Create Sign In

Discover My Creations Liked Songs

maxbarzel

Amazing Grace [Full]

Amazing Grace, Gospel, R&B, Emotional, Buildup, Epic ending, Orchestra, High violins, Brass, Film score, Triumphant.

Sign in to create more tracks like this!

16422 897

Lyrics

Amazing grace! How sweet the sound,
That saved a wretch like me,
I once was lost, but now am found,
Was blind, but now I see.

'Twas grace that taught my heart to fear,
And grace my fears relieved,
How precious did that grace appear,
The hour I first believed!

Through many dangers, toils and snares,
I have already come,

More from this creator

- She's Gone**
Indie folk • Introspective • Fragile
maxbarzel ▶ 33 ♥ 6 ⌚ 9h
- ElevenLabs Makes Music Now!**
ElevenLabs • Vs • Udio
maxbarzel ▶ 2.1k ♥ 69 ⌚ 2d
- Twinkle Twinkle Little Star (60s)**
Twinkle Twinkle Little Star • Twinkle Twinkle Little Star • Twinkle Twinkle Little Star

Amazing Grace [Full] maxbarzel

0:00 5:21

COOKIE SETTINGS

<https://www.udio.com/songs/nDKNwPUB6GrMhEfvM6v2u1>

Generative AI - Sound recordings



Example output

Song

Make A Song

Cooking Lights (Blinding Lights Parody)

Created by Armando 6 days ago

1

Share

Remix

0

Parody

Melodia 0.9.1

[Intro] Yup! [Verse 1] I've been tryna cook I've been in my kitchen long enough Maybe you can show me how to bake, maybe I'm goin' through cookbooks You don't even have to do too much You can turn the stove on with just a touch, maybe [Pre-Chorus] I look around and My pantry's bare and empty (Oh) No snacks around to tempt me (Oh) I can't cook clearly when you're gone [Chorus] I said, ooh, I'm blinded by the spice No, I can't eat until I taste your lunch I said, ooh, I'm fumbling in the night Oh, when I'm like this, you're the dish I want Yum, yum, yum

This song has no remixes. Be the first!

Other Popular Songs

New

Top of All Time

Top of Week

Top of Day

FNAF Song Parody

Created by Matty 4 days ago

Generative AI – Outputs & DSPs

Examples

 **r/SunoAI** • 13 days ago
green200511

Have any of you tried uploading your songs to spotify?

 **r/SunoAI** • 1 day ago
DinVision778

AI Song on Spotify - Marketing Results 😊 😊

[Guide / Tip](#)

 AI Song on Spotify - Marketing Results

 **Spotify**

Latest release



Let's Make A Change
Single
Release date
May 7, 2024

Song Released to Spotify using Distrokid

Copy link

CDBaby did not allow AI generated Songs

MORE VIDEOS

0:10 / 1:22

YouTube

 **r/SunoAI** • 1 mo. ago
SirRece

Third Album, now on Spotify

<https://open.spotify.com/album/2z3tPbsG8FIY8N6Dwuptx?si=ngTY1piaS0af9MDJUaxThA>

and don't worry, I always share my workflows:

<https://app.suno.ai/playlist/f9cd0dd1-8e31-4878-a71e-55277cce419b>

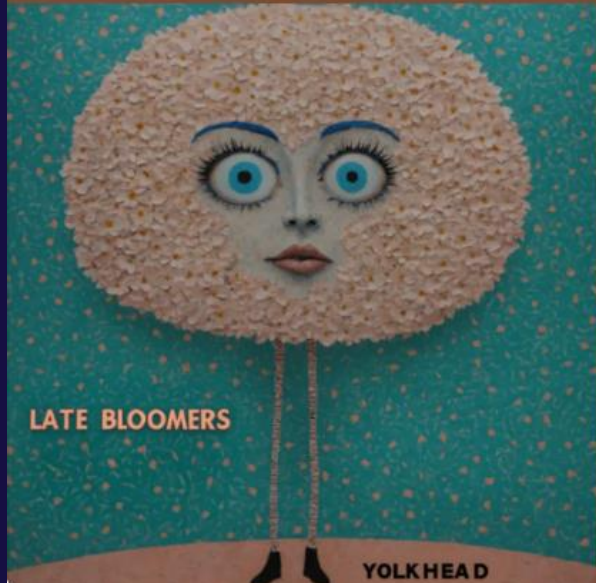
You can get the general prompts out of those.

Note that, in general, I wing song generations, and will often post-gen change lyrics if something is mispronounced in a way that makes sense/works. Also, you'll notice overall adherence varies, and I often have repetition.

Late Bloomers

Yolkhead

NEW ALBUM



LATE BLOOMERS

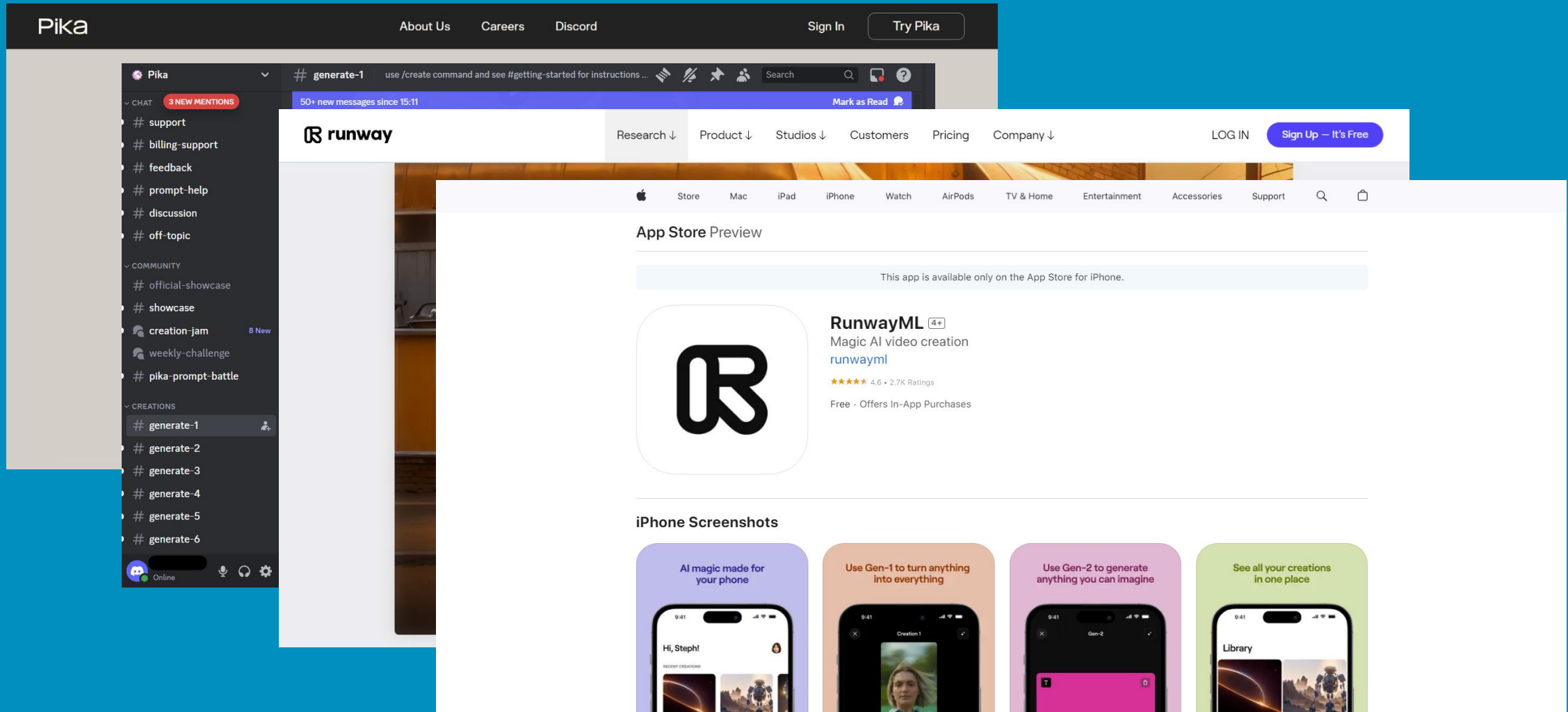
YOLKHEAD

LISTEN ON

 **Spotify**

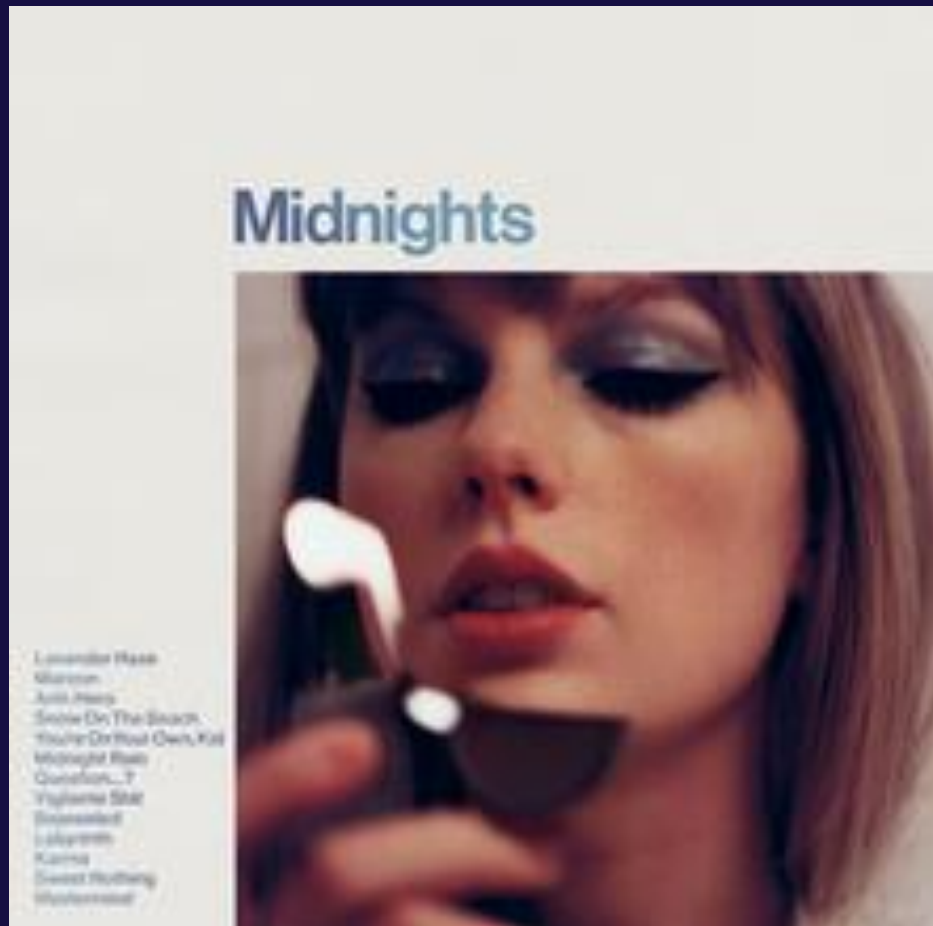
Text-to-video

Platform examples



Generative AI - Album Artwork

Output example



Taylor swift – Midnight - UMG



<https://twitter.com/swiftAlartbot>

Finetuned SD

Multimodal models

Model examples



<https://humanaigc.github.io/emote-portrait-alive/>



Dua Lipa - Don't Start Now - WMG



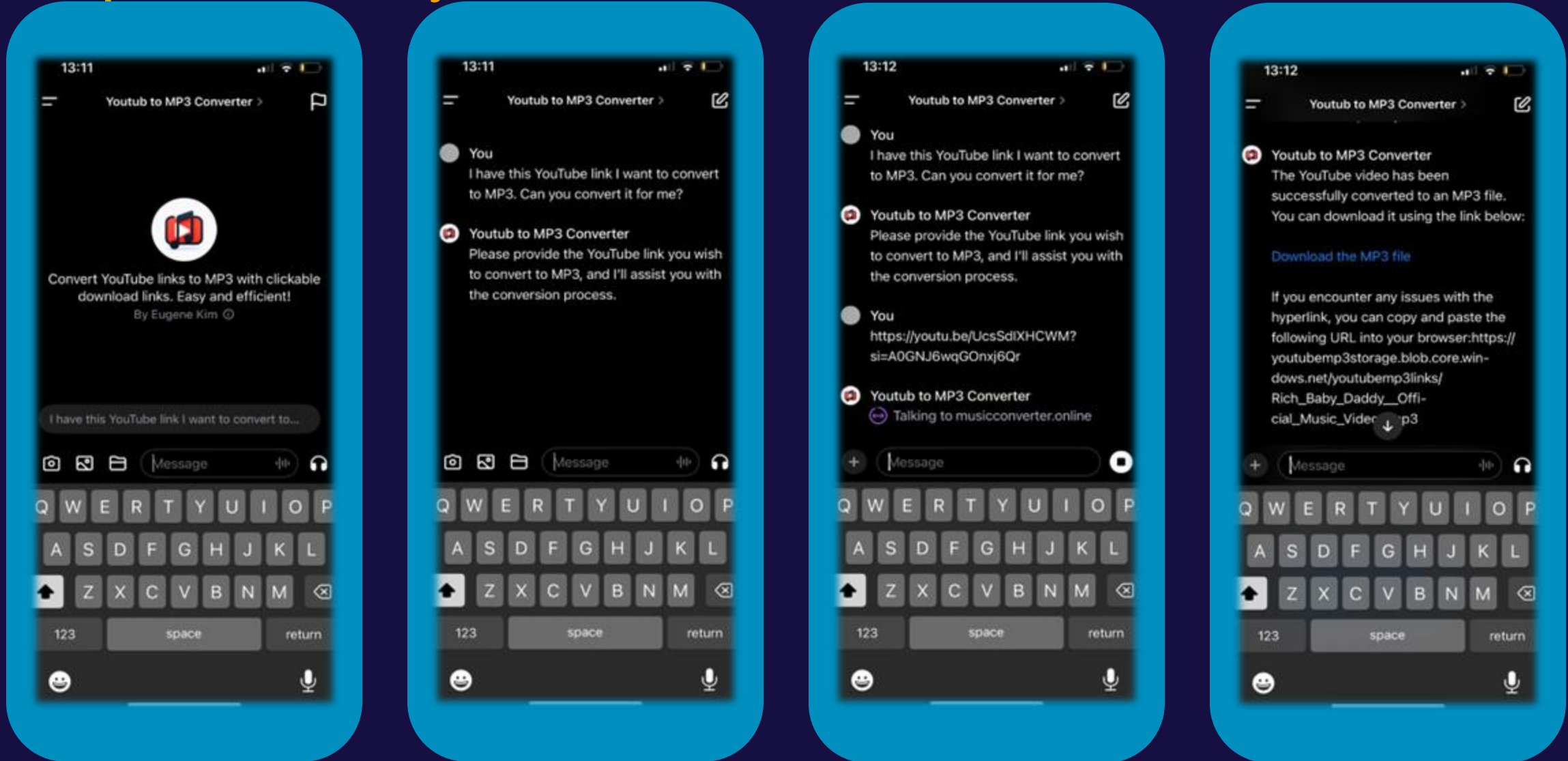
<https://humanaigc.github.io/emote-portrait-alive/>



Eminem - Rap God - UMG

Generative AI - Custom GPTs

Example functionality



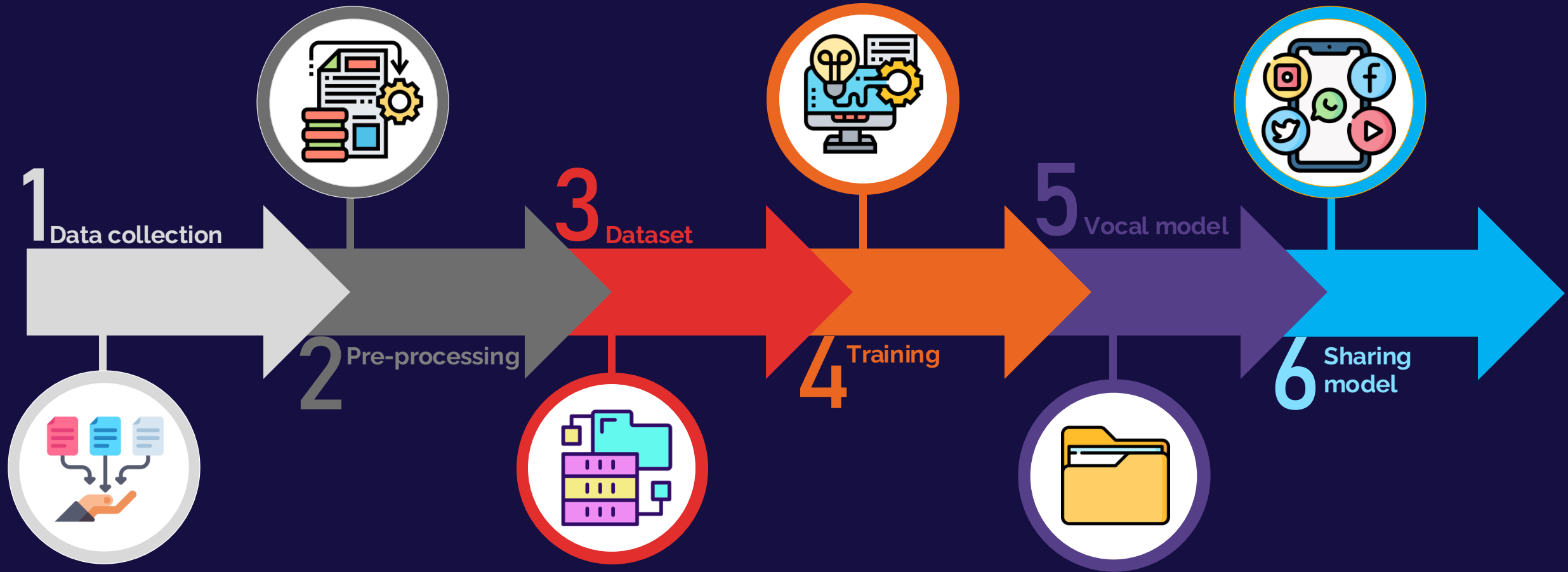


Vocal clones

Plataformas e

Tipos de infrações

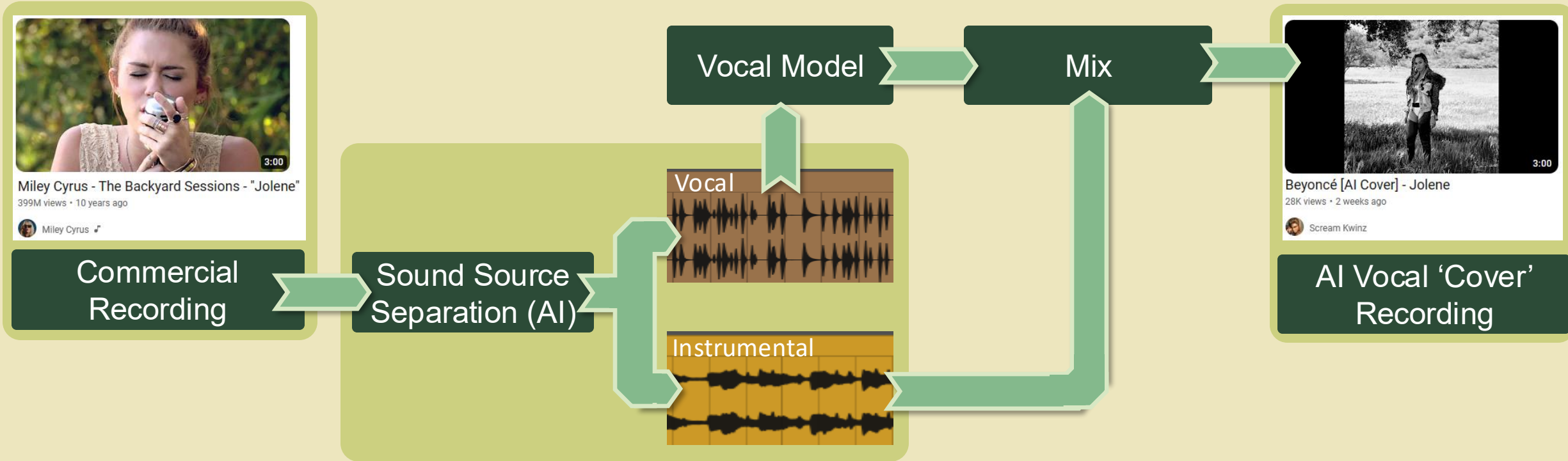
How are vocal models created?



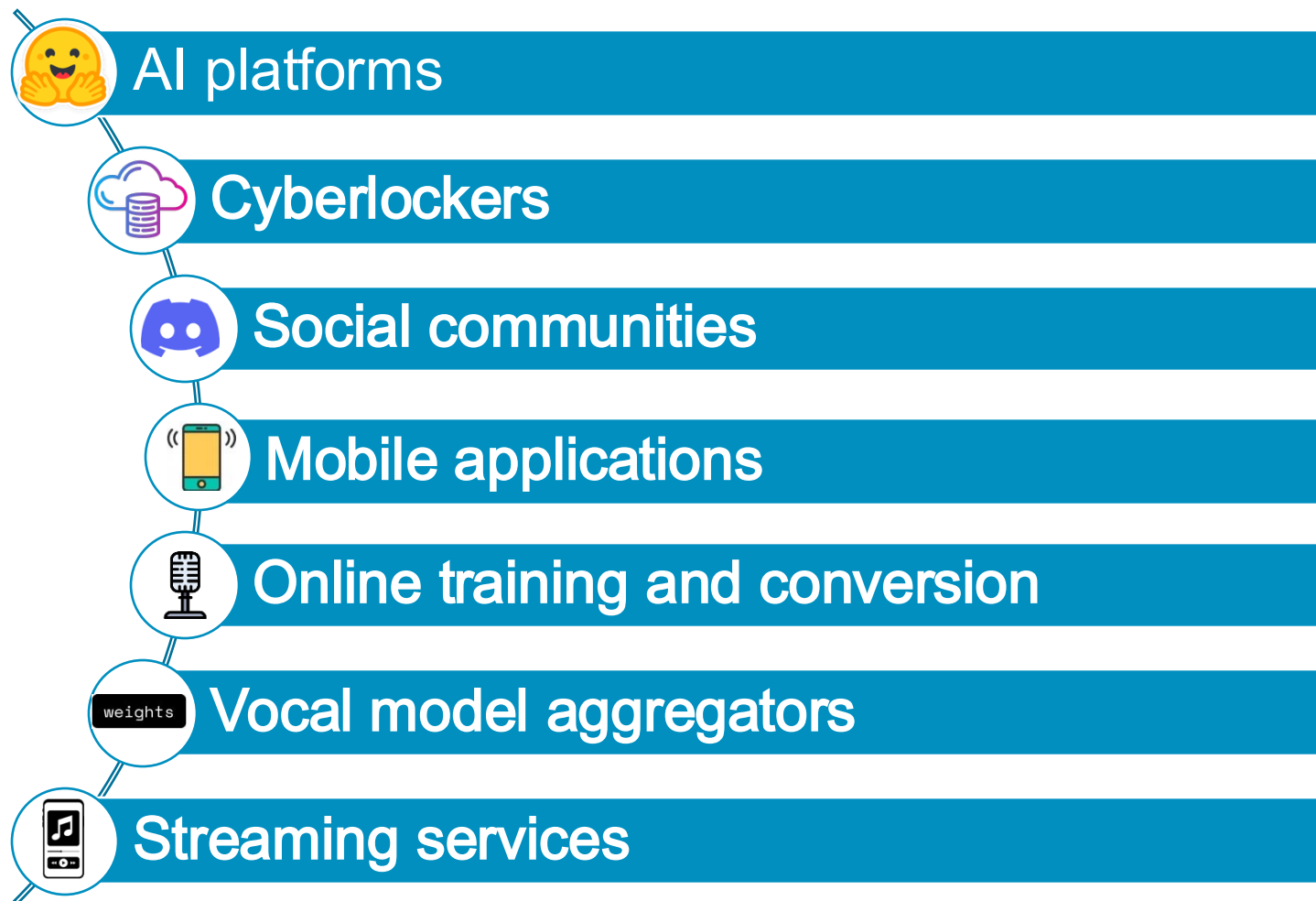
vocal clone outputs



Vocal clone covers



Plataformas e intermediaries facilitadores



Vocal models – AI platforms

Example



Hugging Face

Models Datasets Spaces Posts Docs Solutions Pricing Log In **Sign Up**

QuickWick/Music-AI-Voices like 566

License: other

Model card Files and versions

main Music-AI-Voices

1 contributor History: 213 commits

QuickWick	Delete REU Music (RVC) 350 Epoch/REU Music (RVC) 350 Epoch.zip	5d4b3c6	11 months ago
	\$NOT (RVC) 400 Epoch	Upload 50 files	12 months ago
	21 Savage (RVC) 1k Epoch	Upload 50 files	12 months ago
	21 Savage 100k	Upload 12 files	about 1 year ago
	21 Savage 50k	Upload 21 Savage 50k.zip	about 1 year ago
	2Pac Tupac (RVC) 150 Epoch	Upload 93 files	about 1 year ago
	2Pac Tupac 33k	Upload pac33k.zip	about 1 year ago
	2Pac Tupac 50k	Upload 12 files	about 1 year ago
	50 Cent (RVC) 1k Epoch	Upload 50 files	12 months ago
	6IX9INE 300 Epoch 40k Steps	Upload 50 files	12 months ago

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Vocal Models - Cyberclockers

Example

The screenshot shows a forum post on the AI HUB platform. The post is titled "BAD TOUR - Michael Jackson (All Band) (RVC V2) 450 Epochs Crepe" and is in the "voice-models" category. The user "ModelAI" (a bot) posted it on October 5, 2023. The post content includes a greeting, a note about Sheryl Crow's voice, and a link to the model. Below the text is a small image of Michael Jackson singing. The left sidebar shows various forum categories like "voice-models", "request-m...", "get-model-maker", "COMMUNITY", "LABORATORY", and "OTHER AI".

AI HUB

voice-models > BAD TOUR - Michael Jackson (All Band) (RVC V2) 450 Epochs Crepe

English RVC V2 Artist

5 October 2023

ModelAI ac BOT 05/10/2023 05:51

Hello friends, as I have promised to many of my friends, I am publishing my COMPLETE model of the BAD tour including the voice of Mike, his choir singers and the voice of Sheryl Crow, enjoy it 😊

Note: Sheryl Crow's voice was already ready but I don't know what happened at the last moment and it wasn't saved so I'll redo the model and in the next few days I'll post it in the mega folder and I'll also update this page.

Mike's live model is affected at 450 epochs while the vocalists' voice is affected at 325 epochs. If you are going to use this model, do not forget to leave me credits mentioning my youtube channel: <https://youtube.com/@MichaelJMixes>

MODEL HERE: <https://mega.nz/folder/rKZmBYYa#a6S5q3isoqg84lrhEOTQtQ>

Information from the original post

Uploaded By: @Michael J Mixes

Uploaded Date: 12 June 2023 23:15

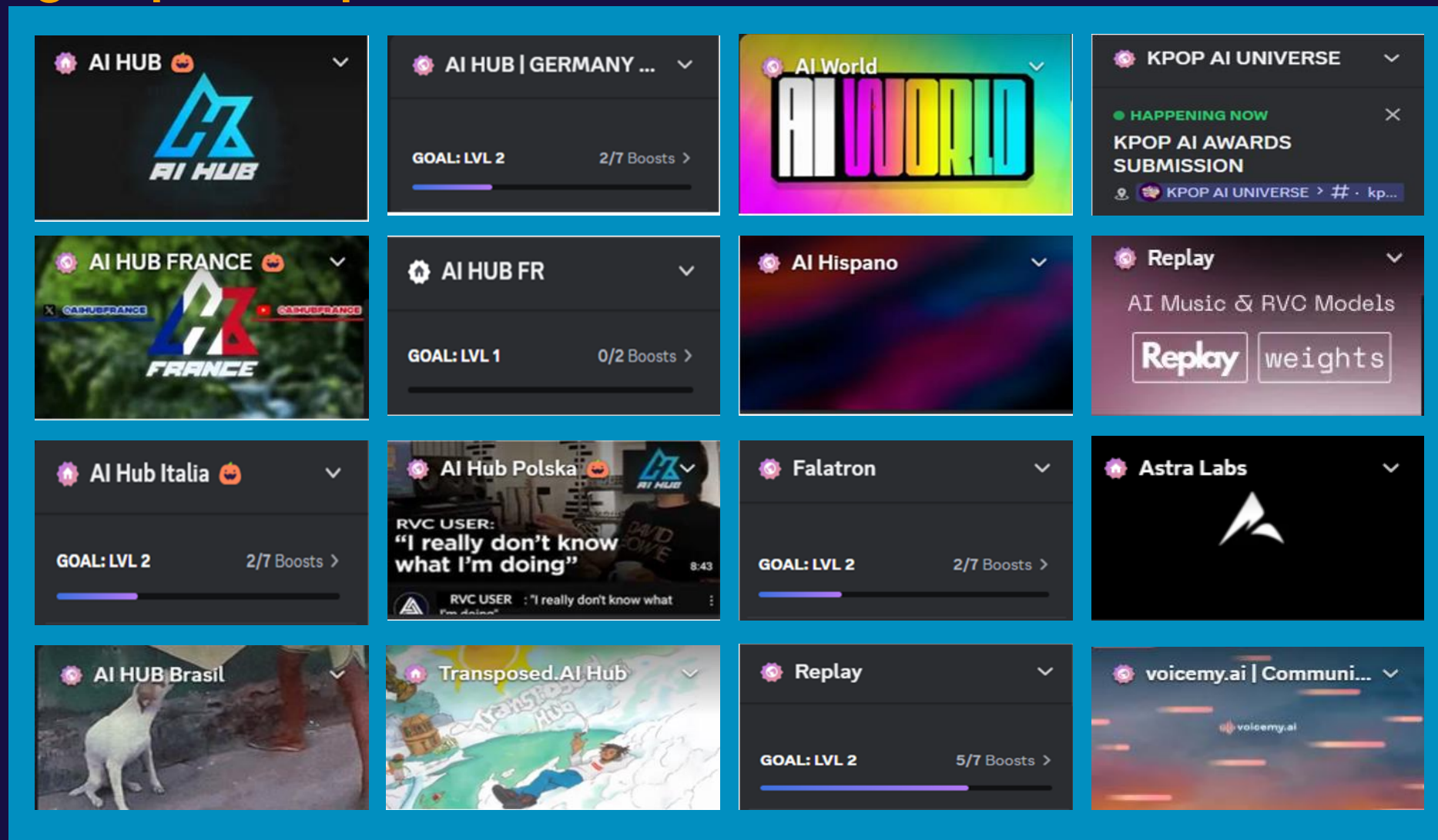


The screenshot shows a file download interface. At the top, there are buttons for "Download" and "Save to MEGA", and a search bar. Below this, the title "MJ BAD TOUR COMPLETE PACK" is displayed. A table lists the files available for download:

Name
BAD-TOUR.zip
chorus.zip

Vocal models – social communities

Discord group examples



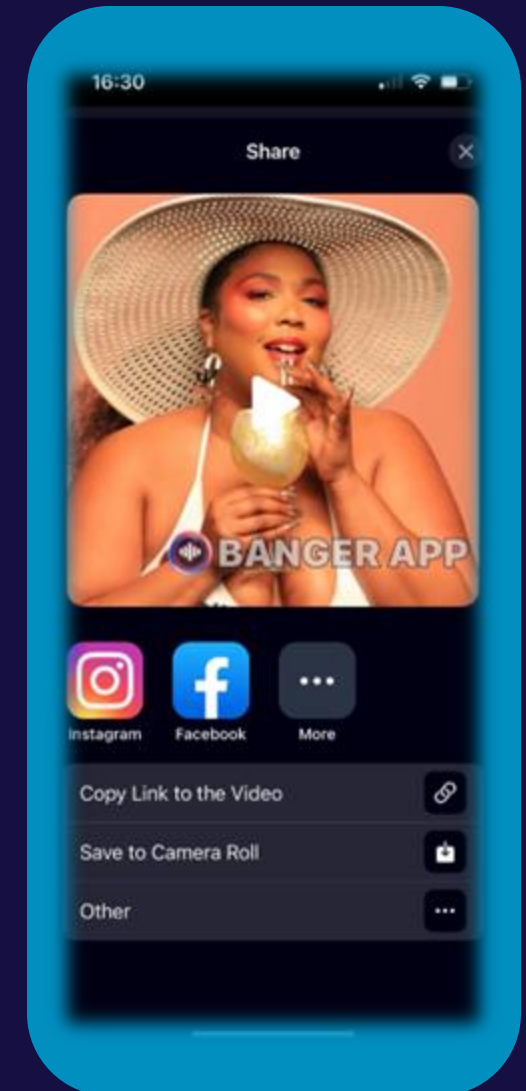
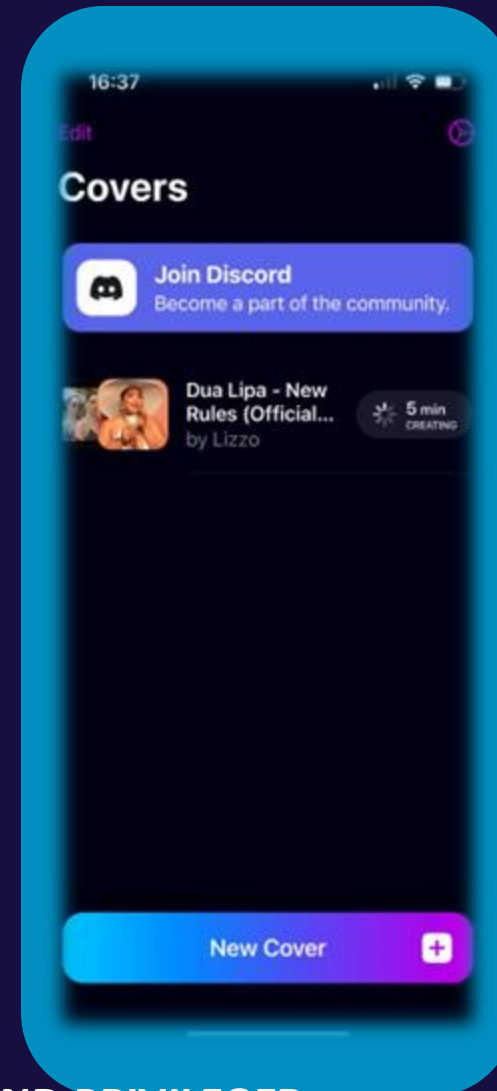
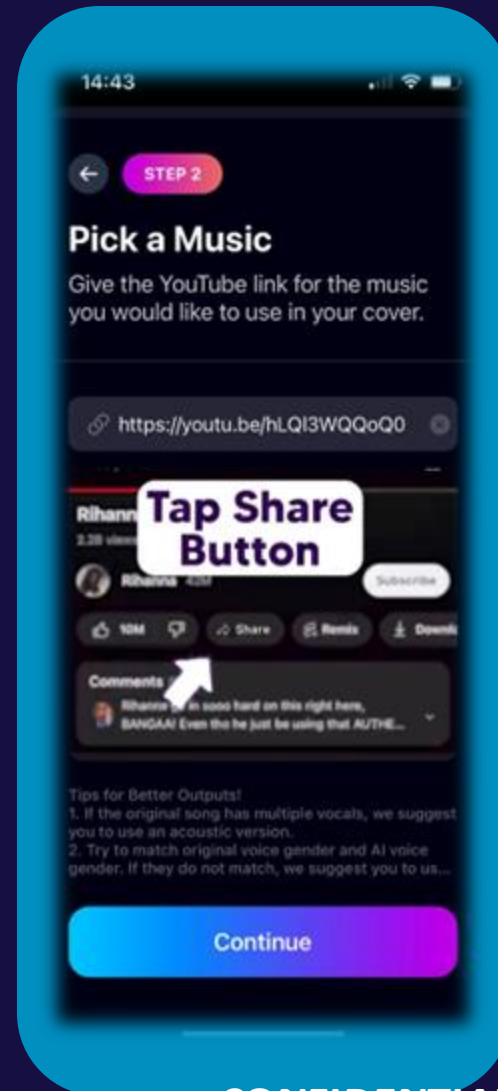
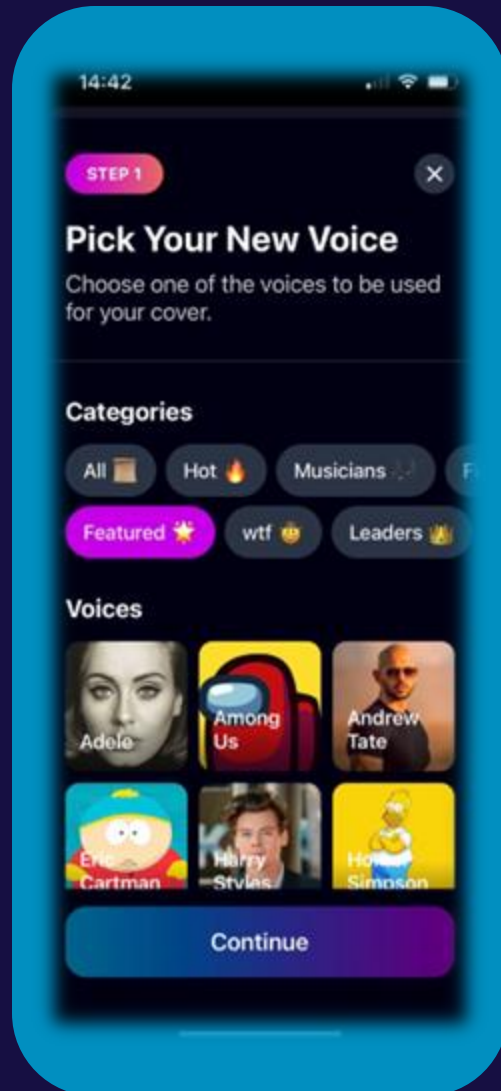
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Vocal Conversion – mobile applications

Example

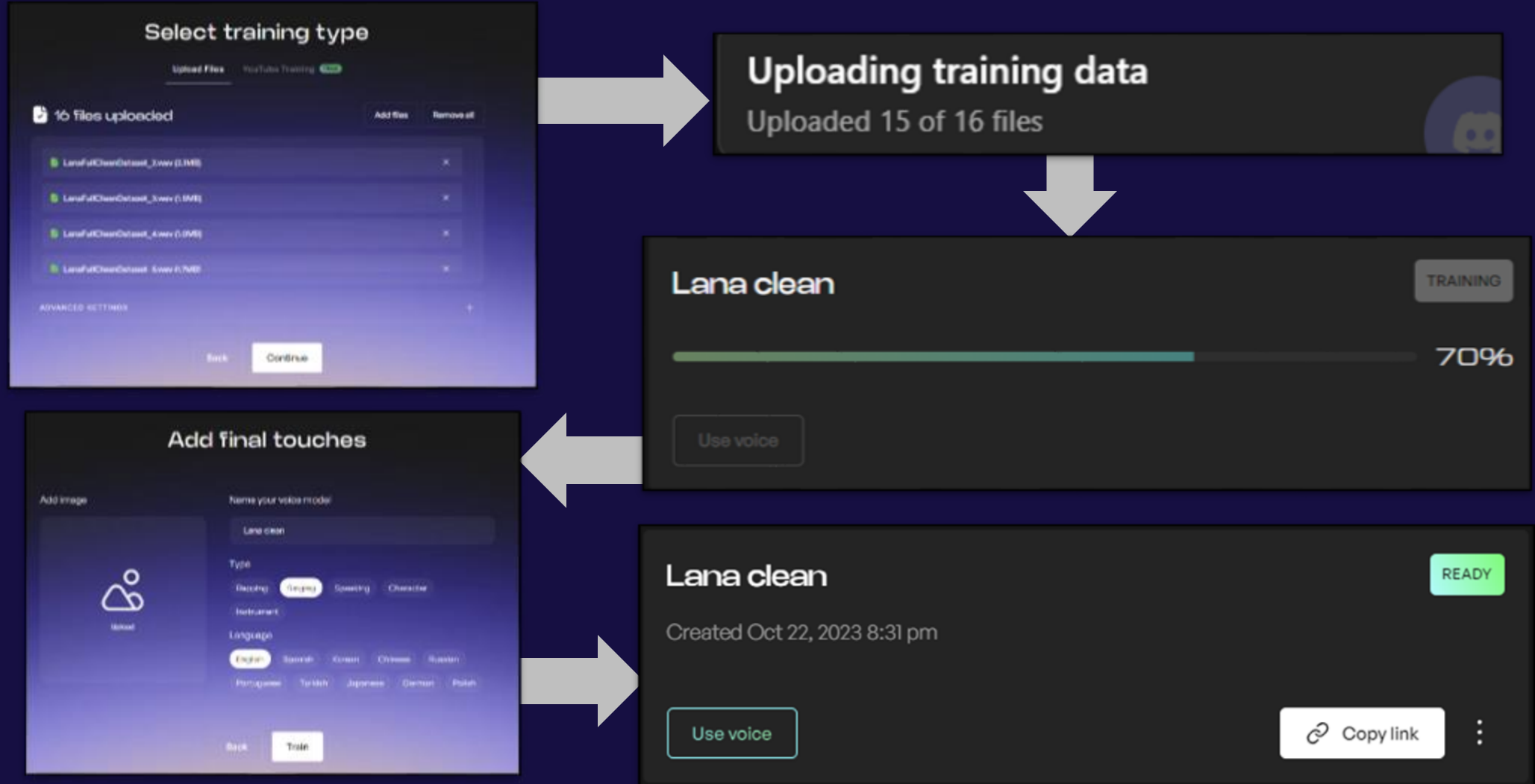
ifpi



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Vocal clones – Online training tools

Example



Vocal clones – Model aggregators

Platform and infringement examples



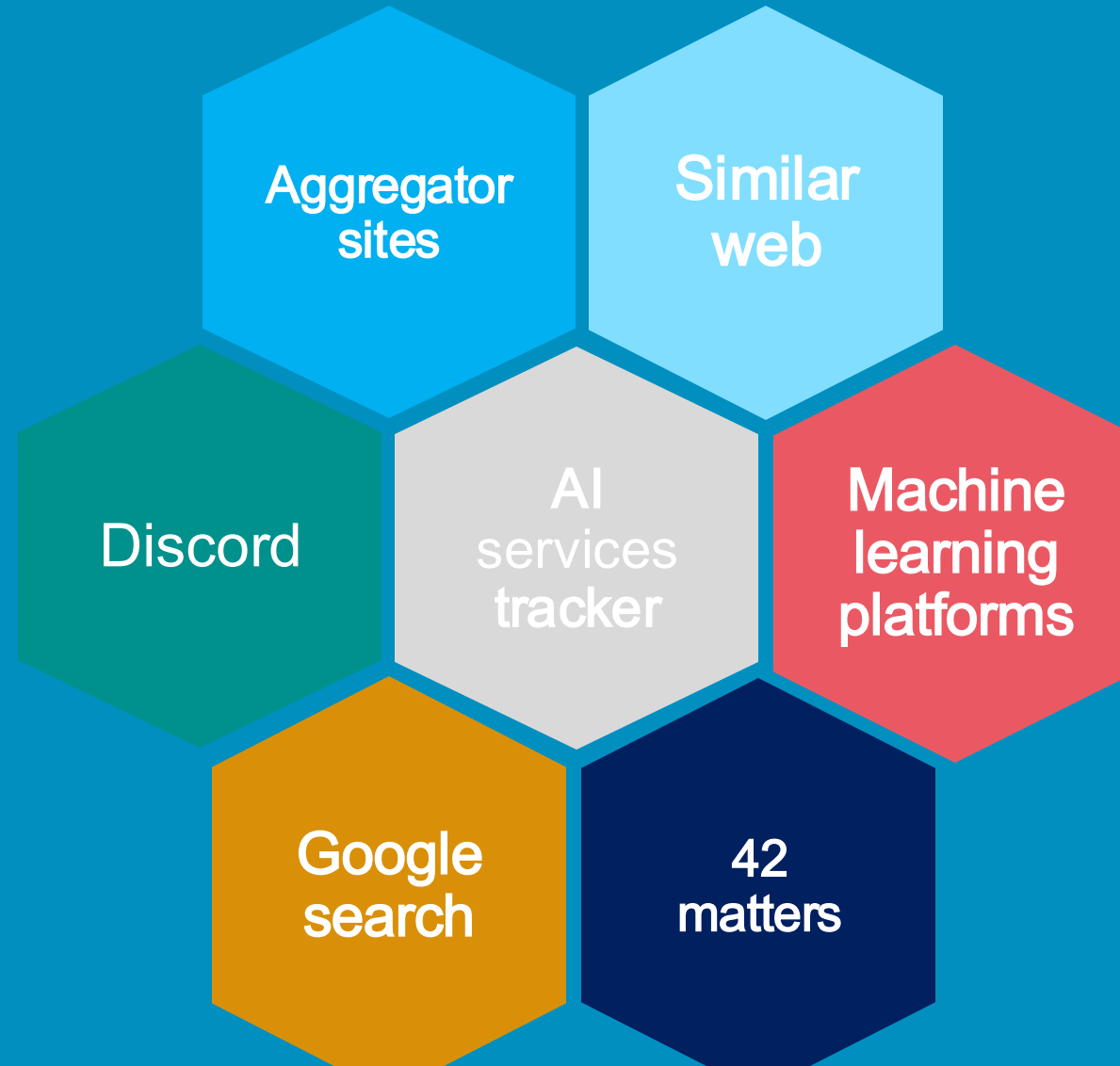
The screenshot displays the RVC platform's 'Voice Models' section. At the top, there is a navigation bar with links: Voice Models, We're Hiring, Voice Samples, Run Voice Tool, Discussions, Colabs, Discord Run, and Takedown. Below the navigation bar, the title 'List of AI Voice Models (70,343)' is shown. A search bar with a 'Search' button is present. The interface includes tabs for 'New', 'Top', and 'Your Favorite'. The main content area lists various voice models, each with a 'Run' button and a link to the model's repository on HuggingFace. The models listed include:

- Nappa [DB-FighterZ | us] (RVC v2 | 150 Epochs)
- Star Butterfly (Star vs. The Forces of Evil Russian Dub) (RVC V2, SnowieV3.1 Pretrain) [450 epochs]
- Arlecchino (JP) | Genshin Impact | RVC V2 | rmvpe | TITAN | 300 epochs
- Sergio Ramos - SR4 (Drums) (RVC v2, RMVPE, TITAN, 300 epochs)
- Setsuna Kiryu - English Dub (Kengan Ashura) (RVC V2) (Titan Pretrain) (RMVPE 32K) (450 epochs)
- Bardock [DB-FighterZ | us] (RVC v2 | 250 Epochs)
- Fang of Metsudo -English Dub (Kengan Ashura) (RVC V2) (Titan Pretrain) (440 epochs)
- Columbia (Azur Lane) [EN] (RVC v2) (690 Epochs)
- Ed Sheeran RVCv2 [500 Epochs]
- Nickelodeon All-Star Brawl Announcer (RVC v2, RMVPE) (350 epochs)
- Glitch Productions Drums (RVC V2) (TITAN, RMVPE, 200 Epochs)
- Lil Nas X - Old Town Road (Drums) (RVC v2, RMVPE, TITAN, 300 epochs)
- Dua Lipa (Radical Optimism Era) (RMVPE 40k) (340 epoch) (RVC v2)
- Auto (Wall-E) - TITAN-pretrain (RMVPE 40k) (600 epochs)

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Data points

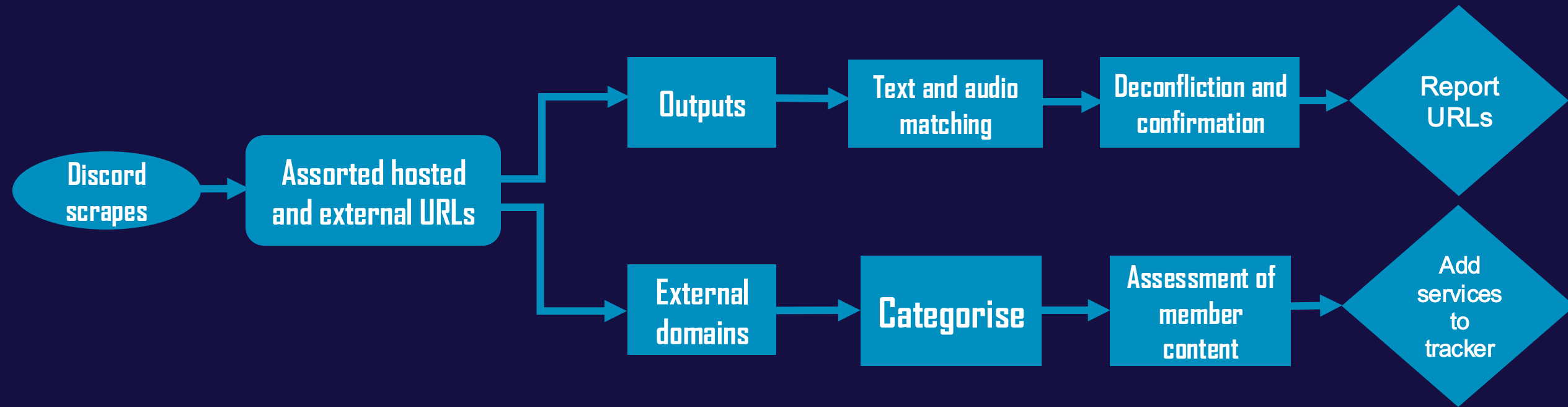
AI services



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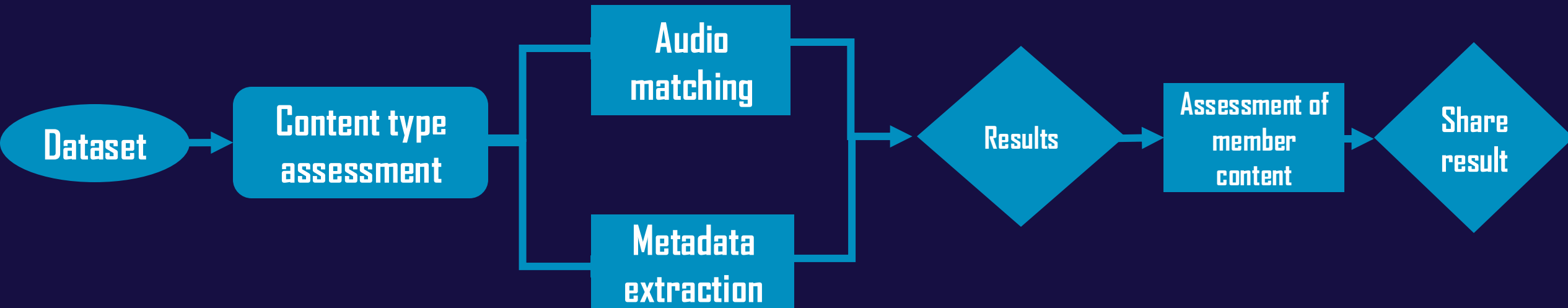
Workflow – Discord

Discovery - AI services & Outputs



Workflow – Dataset analysis

Discovery - AI services & Outputs



Reflexões

- Limites para inovação e disruptividade
 - Casos paradigmáticos: Kazza, KLite Nitro, Grokster, Napster (P2P)
 - Proteção vs. Promoção
- Soberania de Digital
 - Proteção coletiva e desenvolvimento sustentável
- Tecno Feudalismo
 - Economia de dados



Obrigado