



# Unsupervised Exploration of “craigslist musicians”

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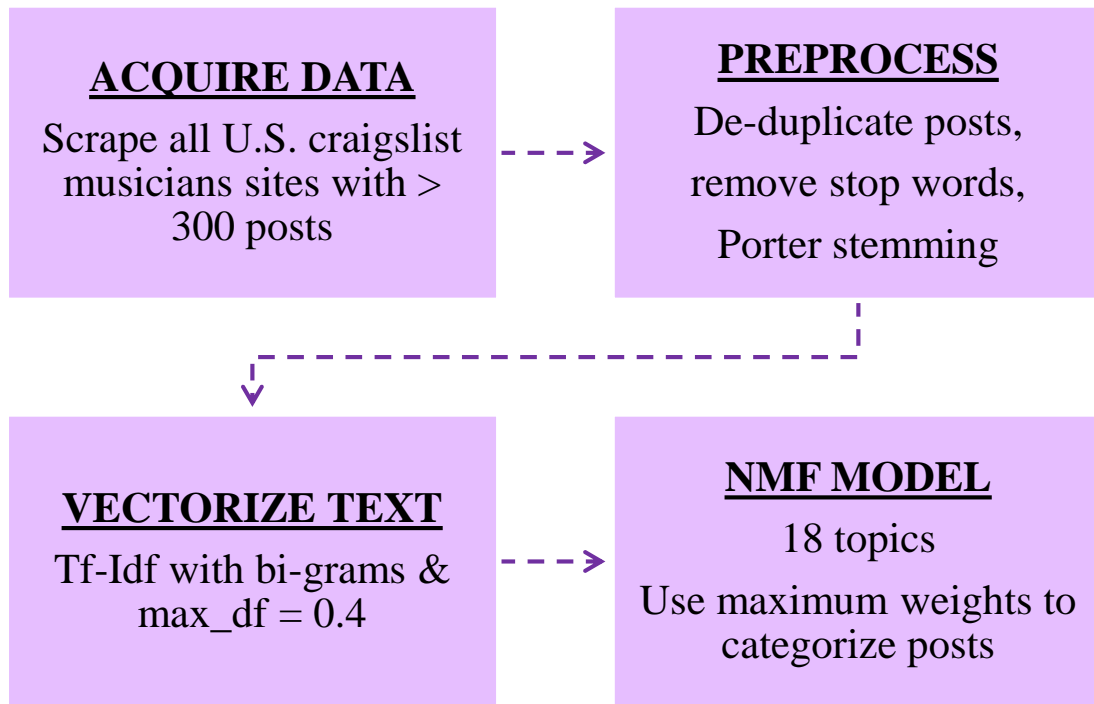
# Why am I doing this?

- Can I categorize the types of posts in craigslist musicians?
- How do these motivations change across different cities?

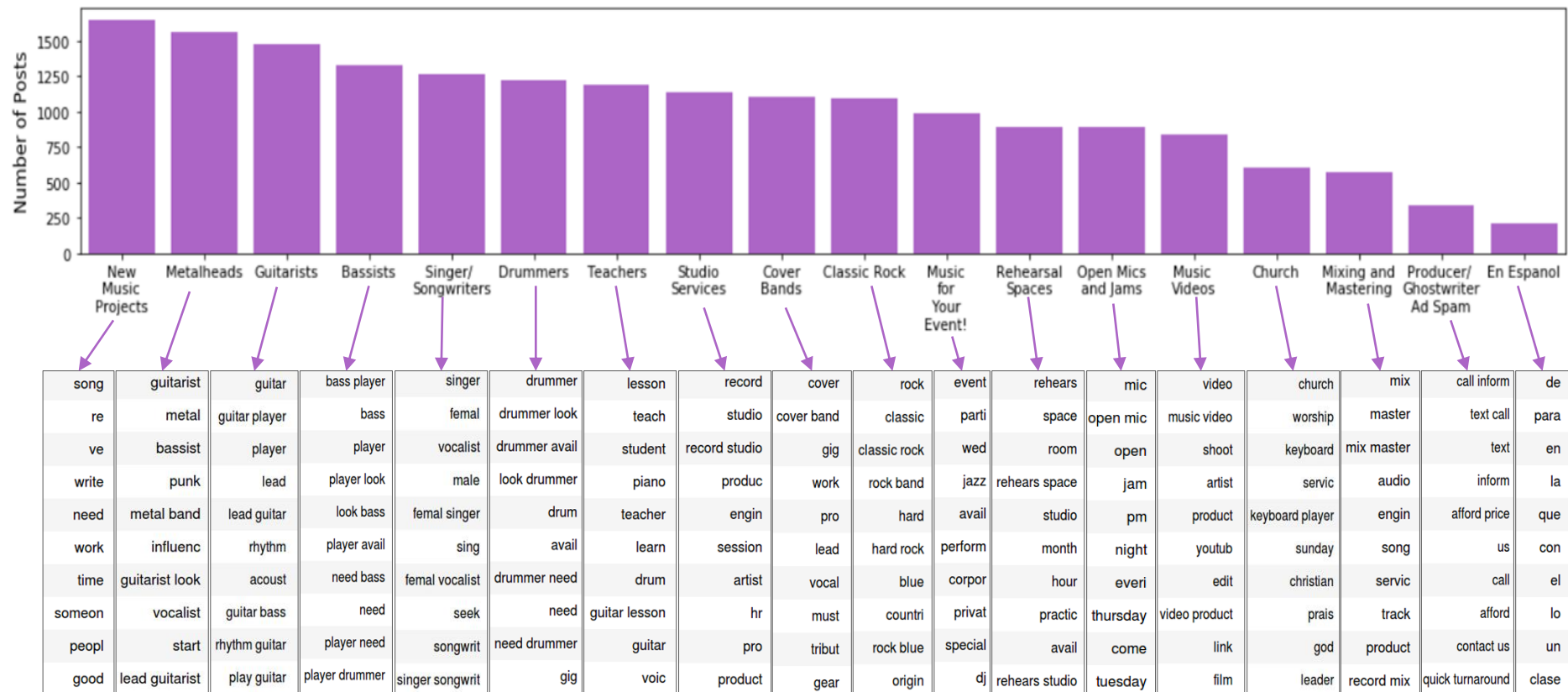
# Why am I doing this?

- Can I categorize the types of posts in craigslist musicians? > **Topic Modeling**
- How do these motivations change across different cities? > **Flask app**

# Pipeline



# Topics Composition and Frequencies

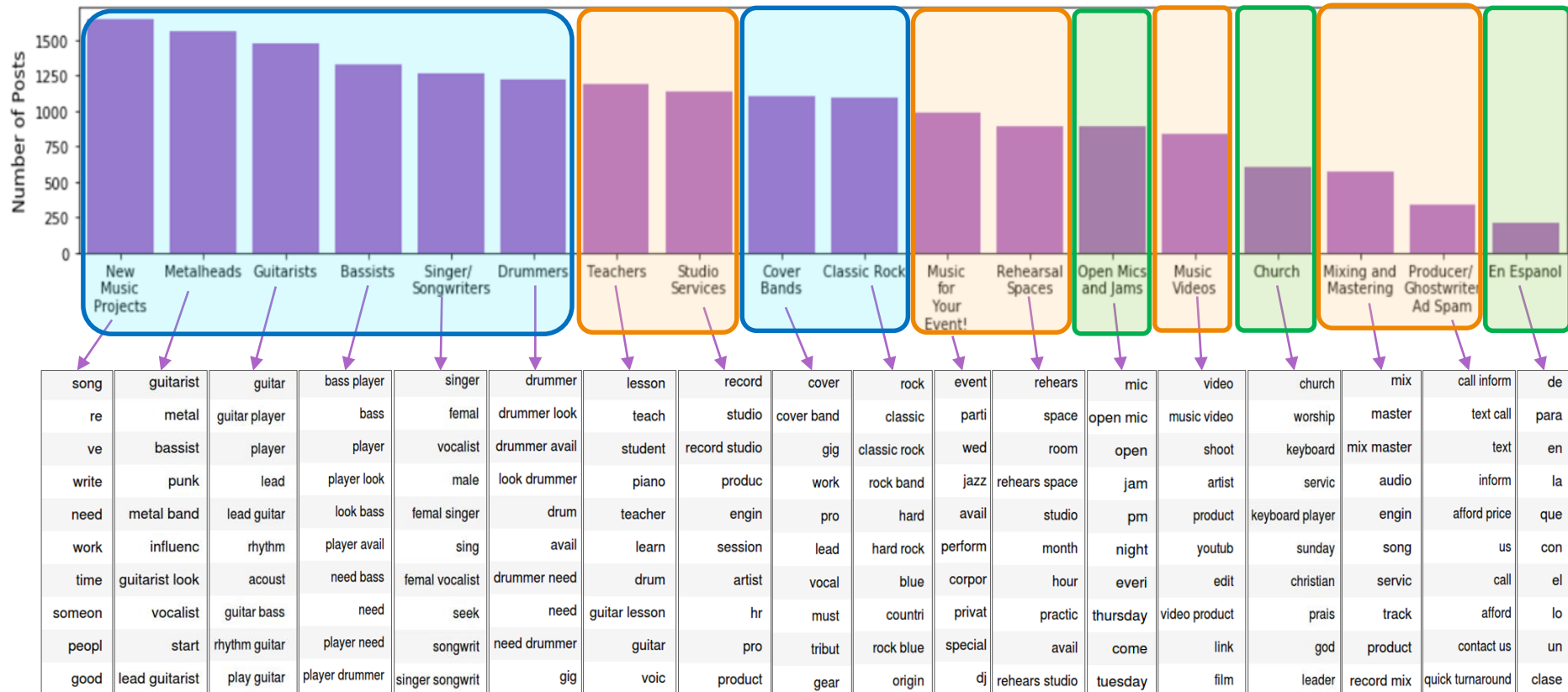


# Topics Composition and Frequencies

**Musicians Networking: 68%**

**Music Services: 23%**

**Events/Other: 9%**



# What's Missing?



# What's Missing?

## Over-represented:

- Rock
- Classic rock
- Metal
- Punk
- Hard rock





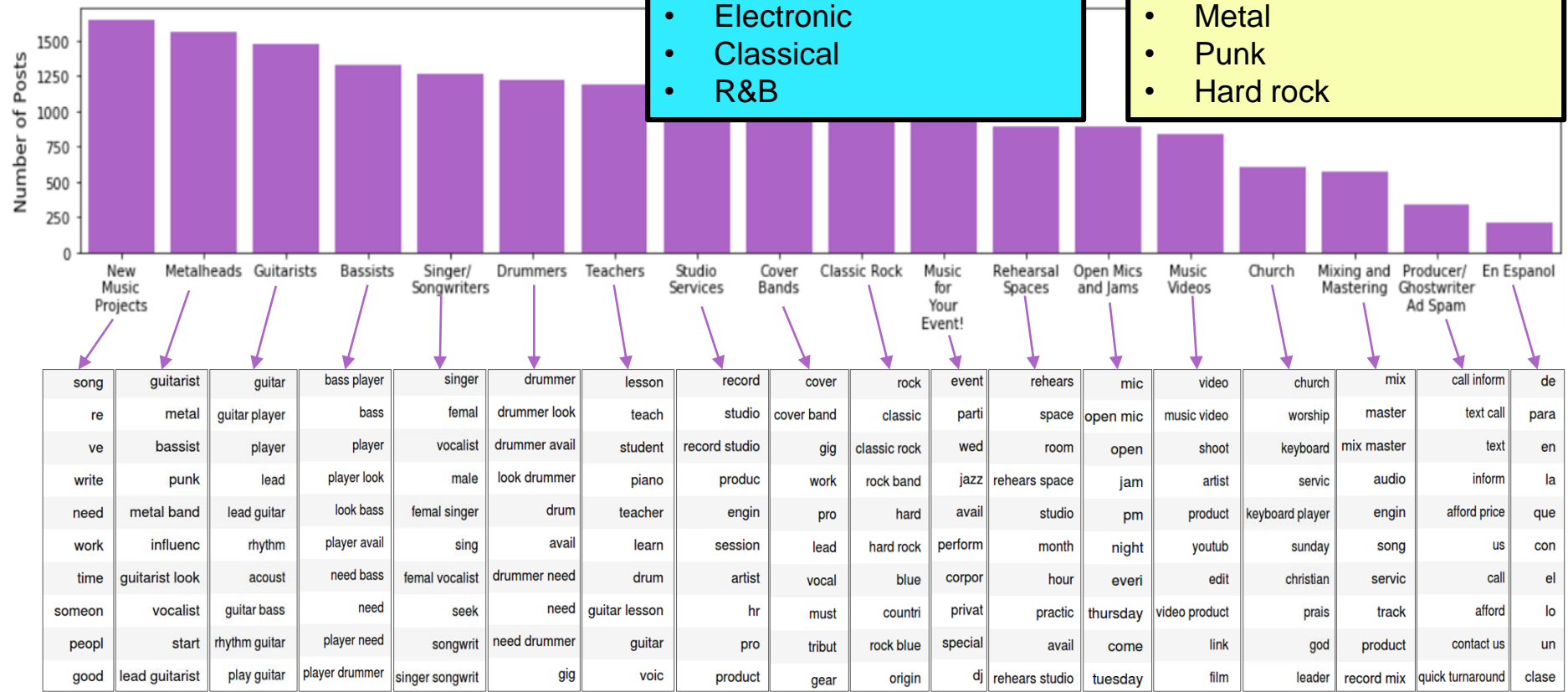
# What's Missing?

## Under-represented:

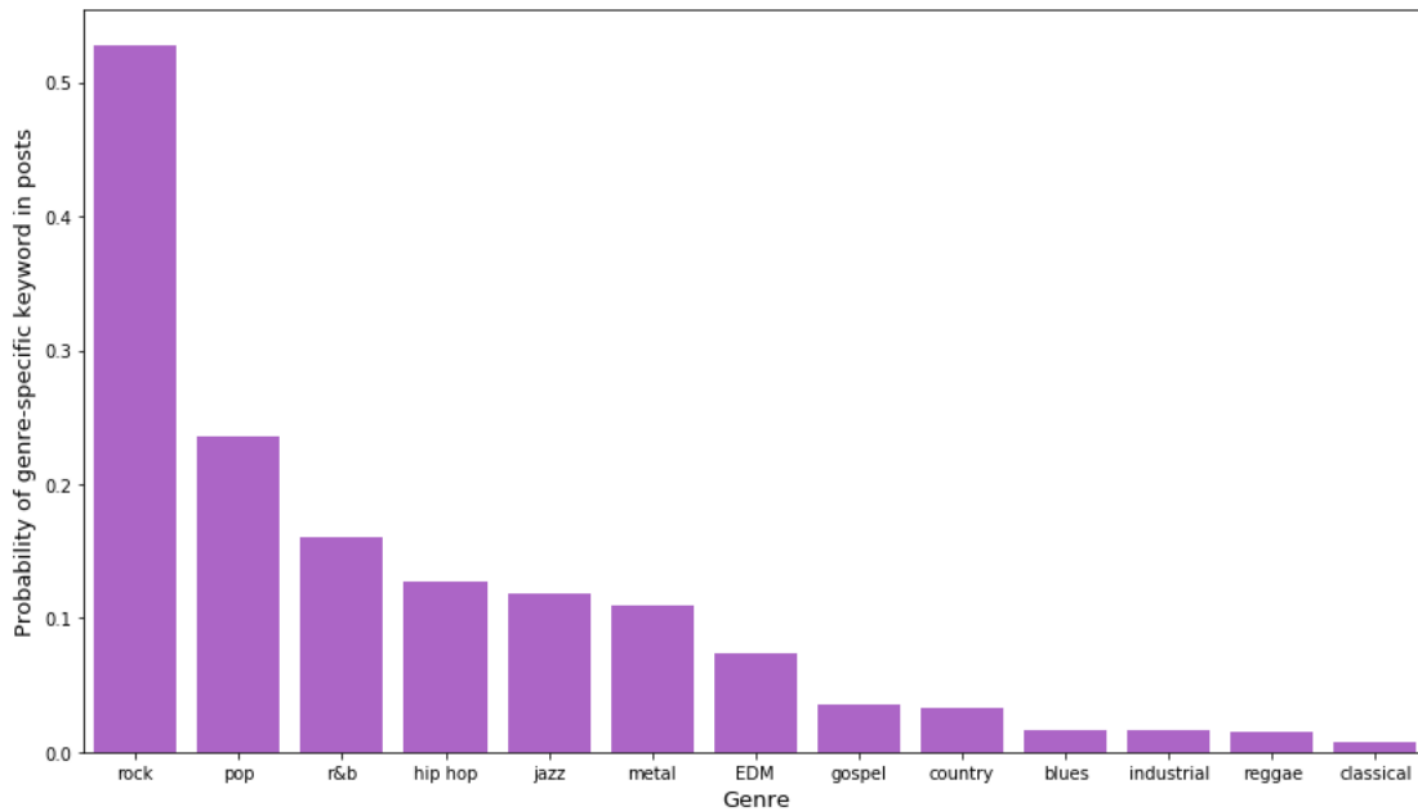
- Hip hop / rap
- Pop
- Electronic
- Classical
- R&B

## Over-represented:

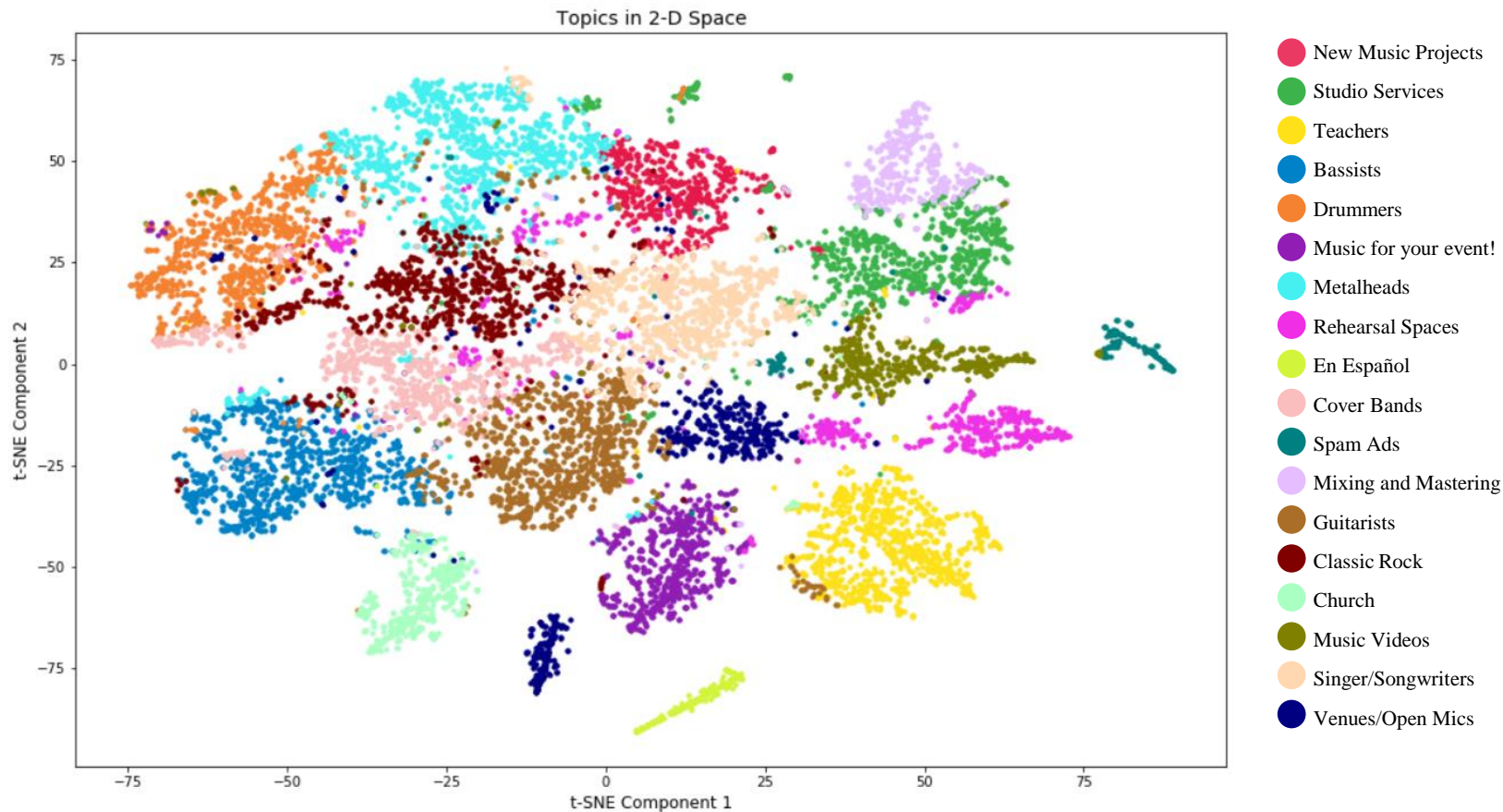
- Rock
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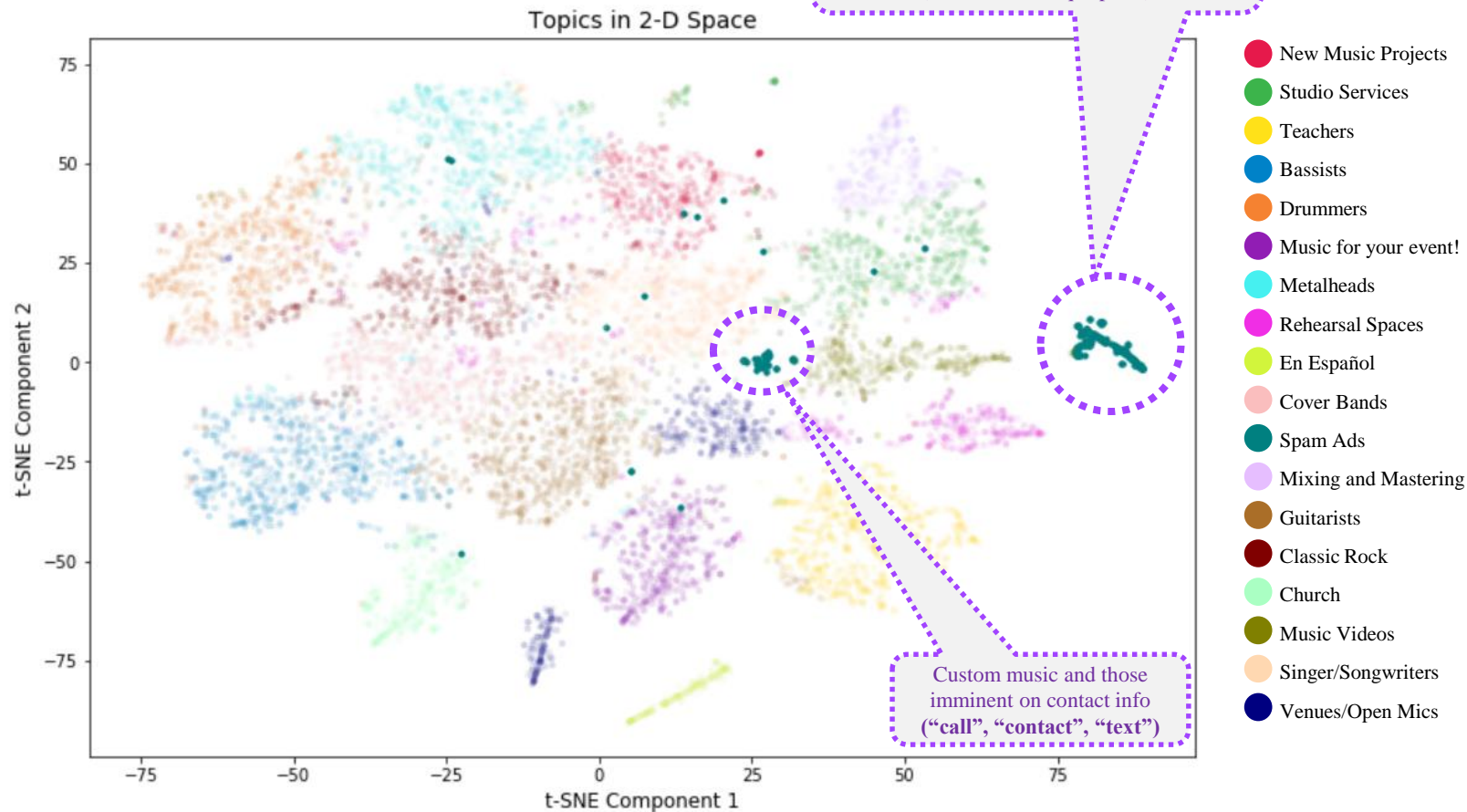
# Genre prevalence across the musicians' corpus



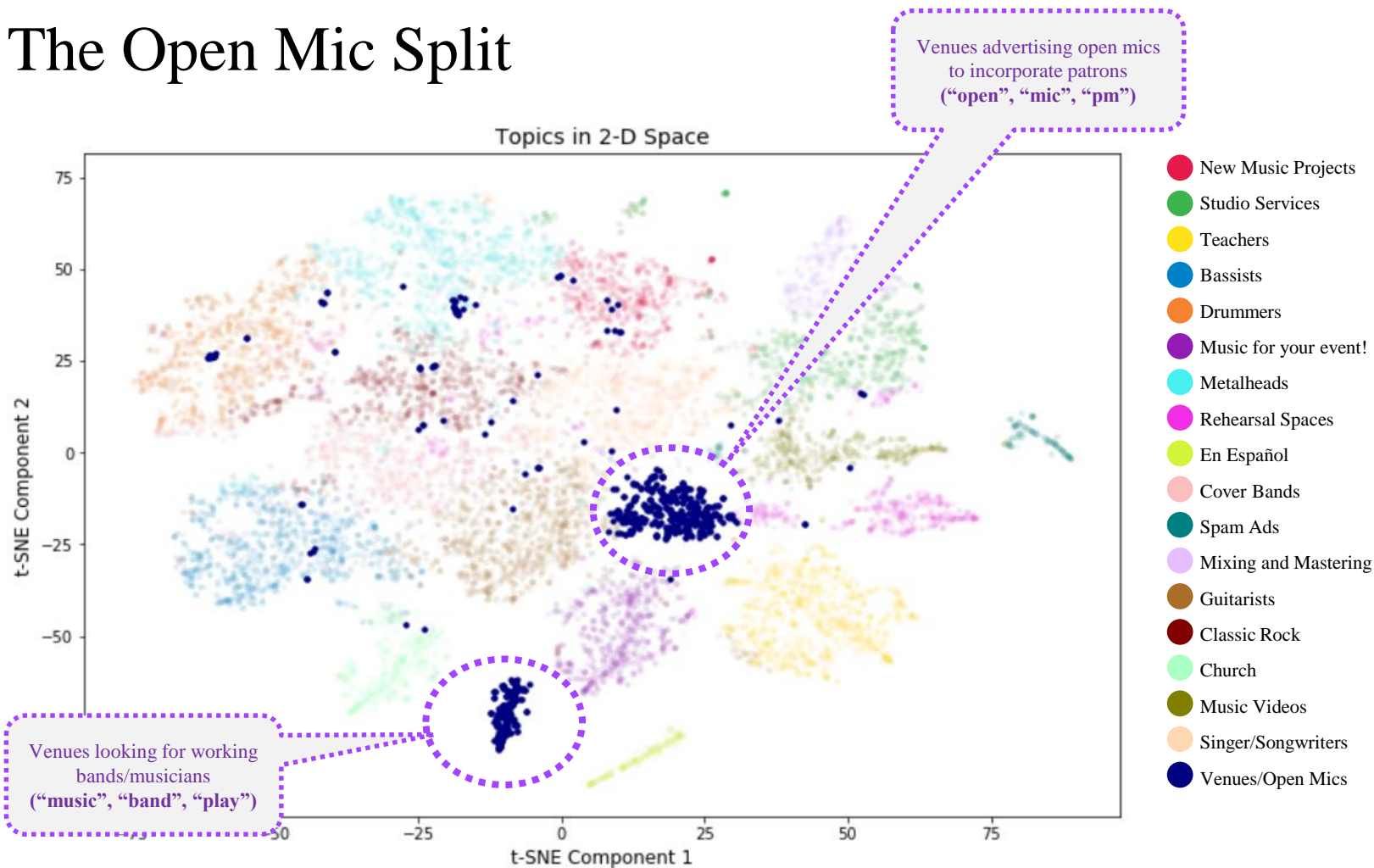
# Topic Clusters



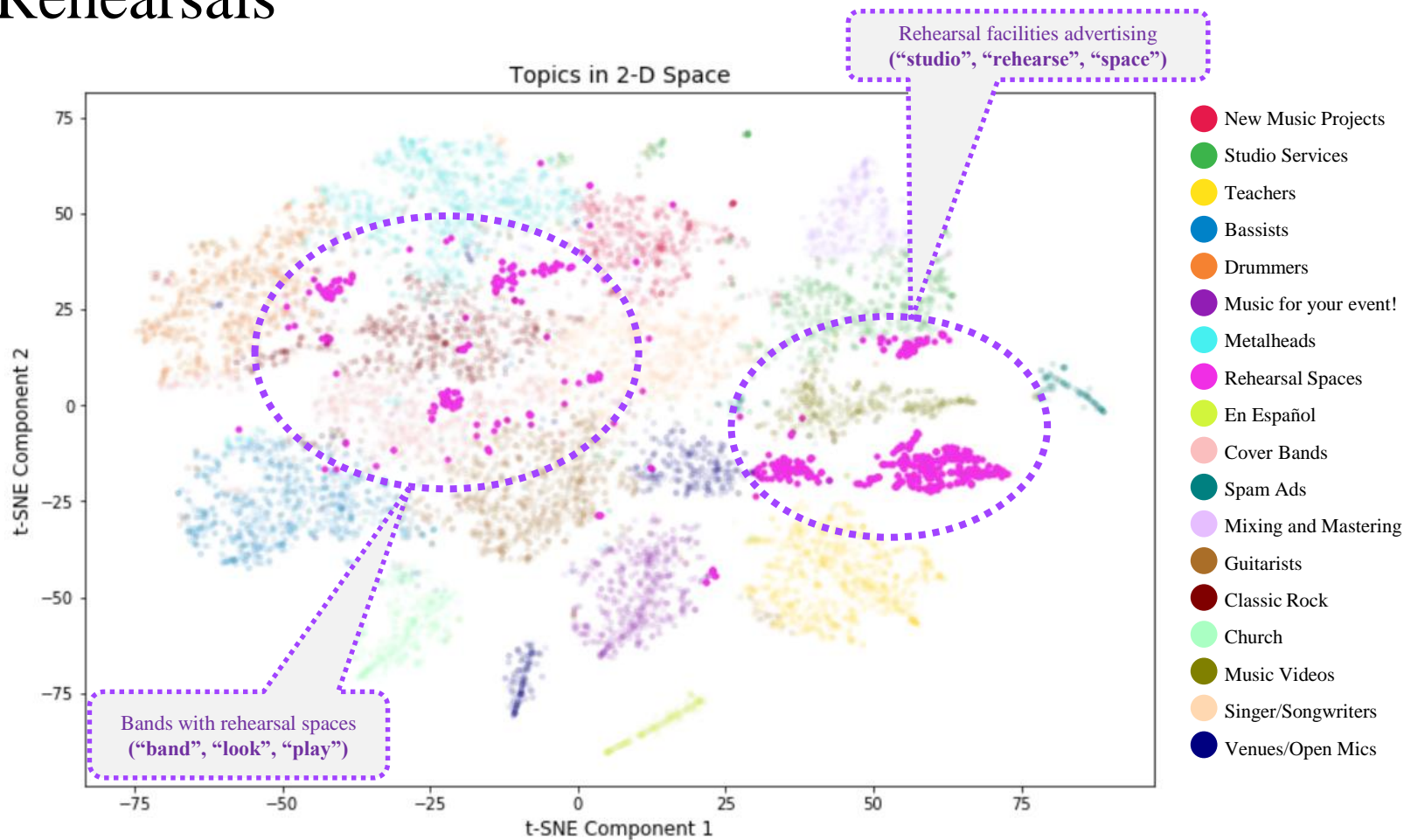
# Spammers



# The Open Mic Split



# Rehearsals



# Conclusions

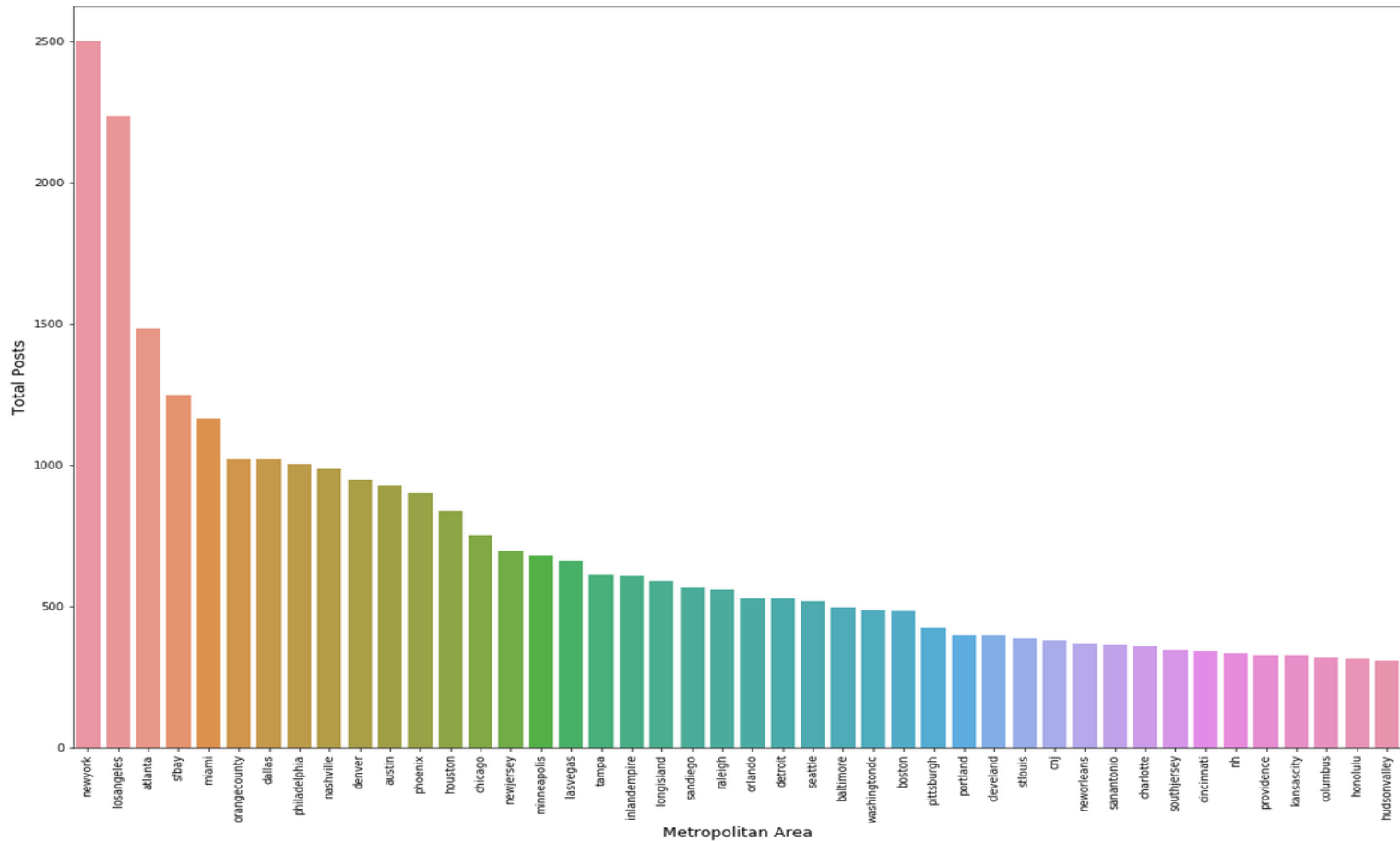
- Craigslist musicians posts are fairly segregable just by relying on their text.
- Craigslist musicians is “rock” heavy.
- Posts are not mostly spam.
- Topic Modeling does a decent job at identifying key words, but does not have the ability to understand those key words in context

Thanks!

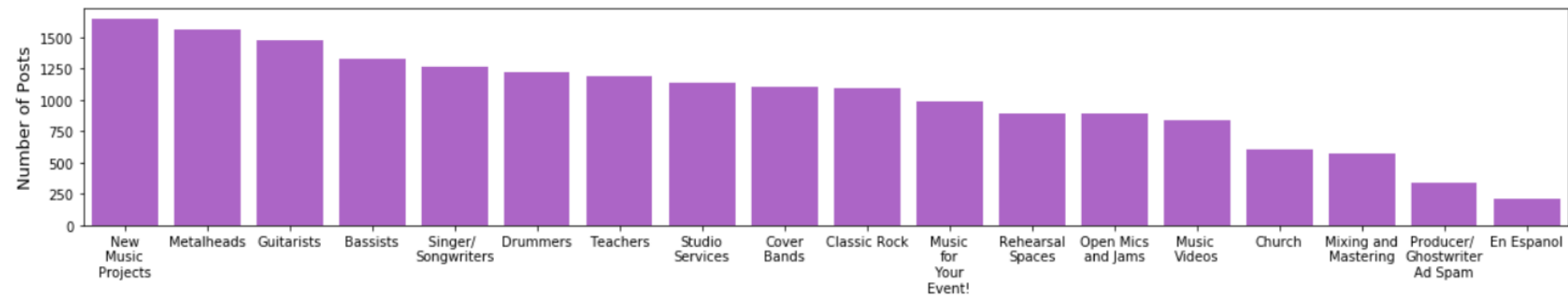


# APPENDIX


# Total posts by craigslist site



# NMF Weights



Topic																				
Word	NMF	Word	NMF	Word	NMF	Word	NMF	Word	NMF	Word	NMF	Word	NMF	Word	NMF	Word	NMF	Word	NMF	Word
cord	lesson	bass player	drummer	event	1.	guitarist	rehears	de	1.	cover	1	call inform	mix	guitar	rock	church	video			singer
udio	teach	bass	drummer look	parti	0.	metal	space	para	0.	cover band	1	text call	master	guitar player	classic	worship	music video			femal
udio	student	player	drummer avail	wed	0.	bassist	room	en	0.	gig	0	text	mix master	player	classic rock	keyboard	shoot			vocalis
duc	piano	player look	look drummer	jazz	0.	punk	rehears space	la	0.	work	0	inform	audio	lead	rock band	servic	artist			mal
ngin	teacher	look bass	drum	avail	0.	metal band	studio	que	0.	pro	0	afford price	engin	lead guitar	hard	keyboard player	product			femal singe
sion	learn	player avail	avail	perform	0.	influenc	month	con	0.	lead	0	us	song	rhythm	hard rock	sunday	youtub			sin
artist	drum	need bass	drummer need	corpor	0.	guitarist look	hour	el	0.	vocal	0	call	servic	acoust	blue	christian	edit			femal vocalis
hr	guitar lesson	need	need	privat	0.	vocalist	practic	lo	0.	must	0	afford	track	guitar bass	countri	prais	video product			see
pro	guitar	player need	need drummer	special	0.	start	avail	un	0.	tribut	0	contact us	product	rhythm guitar	rock blue	god	link			songwr
duct	voic	player drummer	gig	dj	0.	lead guitarist	rehears studio	clase	0.	gear	0	quick turnaround	record mix	play guitar	origin	leader	film			singer songwr

- |  |   |  |  |  |  |
|--|---|--|--|--|--|
|  New Music Projects |  Bassists              |  Metalheads       |  Cover Bands          |  Guitarists   |  Music Videos       |
|  Studio Services    |  Drummers              |  Rehearsal Spaces |  Spam Ads             |  Classic Rock |  Singer/Songwriters |
|  Teachers           |  Music for your event! |  En Español       |  Mixing and Mastering |  Church       |  Venues/Open Mics   |