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Deep Learning
Assignment 3

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Introduction

In this report we describe the process of building a recurrent neural network and how we used it to automatically generate song lyrics based on both text and melody.
The dataset we worked with includes text and melody from a total of 605 songs.
The melody data is stored as MIDI files containing various types of information, some of the information will be used for training the model as described in the Embedding section.
The text data is the song lyrics from 605 songs, stored in csv files. 600 of them in one file for training the model, and another 5 for testing the model.

Data Preprocessing

Each CSV file was loaded into a pandas dataframe object, each row representing a single song and preprocessed data was added to each of the rows accordingly.
MIDI file names were given in a slightly different format and sometimes had postfix added to the end of file name so we created a column to match between the songwriter and name to the file names called "full_name".

	writer	song_name	lyrics	full_name
0	the bangles	eternal flame	close your eyes give me your hand darling & d...	The_Bangles_-_Eternal_Flame.mid
1	billy joel	honesty	if you search for tenderness & it isn't hard ...	Billy_Joel_-_Honesty.mid
2	cardigans	lovefool	dear i fear we're facing a problem & you love...	Cardigans_-_Lovefool.mid
3	aqua	barbie girl	hiya barbie & hi ken! & do you want to go for...	Aqua_-_Barbie_Girl.mid
4	blink 182	all the small things	all the small things & true care truth brings...	Blink_182_-_All_the_Small_Things.mid

Taking a closer look at the lyrics we see that the longest song has 1481 lyrics in total and that each new line in the lyrics is represented by the "&" sign. An example:

"if you search for tenderness & it isn't hard to find & you can have the love you need to live & but if you look for truthfulness & you might just as well be blind & it always seems to be so hard to give & honesty is such a lonely word & everyone is so untrue & honesty is hardly ever heard & and mostly what i need from you & i can always find someone & to say they sympathize & if i wear my heart out on my sleeve & but i don't want some pretty face & to tell me pretty lies & all i want is someone to believe & honesty is such a lonely word & everyone is so untrue & honesty is hardly ever heard & and mostly what i need from you & i can find a lover & i can find a friend & i can have security until the bitter end & anyone can comfort me & with promises again & i know i know & when i'm deep inside of me & don't be too concerned & i won't ask for nothin' while i'm gone & but when i want sincerity & tell me where else can i turn & 'cause you're the one i depend upon & honesty is such a lonely word & everyone is so untrue & honesty is hardly ever heard & and mostly what i need from you &"

Out of 600 MIDI files, 7 were deprecated and we removed them from the dataset (matching lyrics were removed from dataframe):

```
failed on Beastie_Boys_-_Girls.mid
failed on Dan_Fogelberg_-_Leader_of_the_Band.mid
failed on Billy_Joel_-_Movin'_Out.mid
failed on David_Bowie_-_Lazarus.mid
failed on Billy_Joel_-_Pressure.mid
failed on Brian_McKnight_-_On_The_Down_Low.mid
failed on Aaron_Neville_-_Tell_It_Like_It_Is.mid
```

Embeddings

Text Embedding

- The nltk library was used for tokenizing the full lyrics of a song from one long string to a list of strings each is a word in the song. All special characters were removed except for the "&" character that was used to represent the end of sentences/lines in the lyrics.
- We trained a word2vec model from the Gensim library using all tokens from the full dataset, including train and test.
- Using the word2vec model, each word was represented by a vector of 300 entries per term as defined in the assignment requirements.

Melody Embedding

MIDI files contained the following general information (lyrics were not included in any of the melody files):

We used the pretty_midi library for analyzing and embedding MIDI files containing the melody information with 2 different approaches:

approach 1

In music theory, a pitch class represents all the notes that share the same pitch class, disregarding their octave. There are 12 pitch classes in total, represented by the numbers 0 to 11, which correspond to the 12 semitones in an octave.
The get_pitch_class_histogram method calculates the frequency distribution of pitch classes in the MIDI data and returns a list of 12 elements, where each element represents the count or frequency of notes in the corresponding pitch class.

The first approach we decided to take was a simplistic option described in the assignment - inserting an entire melody representation at each step.
For the embedding in the first approach we used a pitch histogram.
The embedding was calculated before being sent to the model and was repeated to the maximum number of words in lyrics to create a matrix of size (1500, 12).
The model input included a single word concatenated with a single embedding representing the full melody.
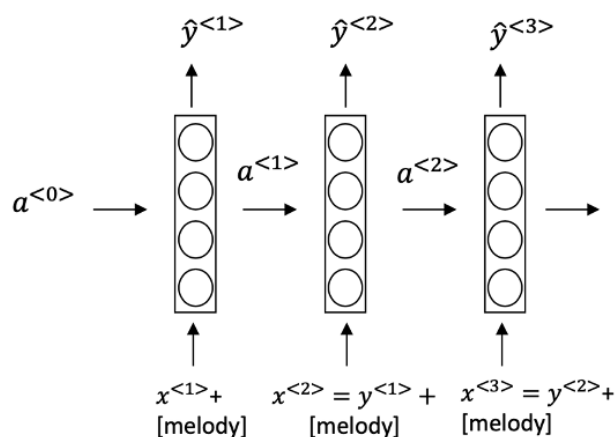
approach 2

For the second approach we decided to try a more complex approach that has different inputs for different epochs and is dependent on the timing in the melody. THis was decided under the assumption that both lyrics and melody change over time and we can get an approximation of matching lyrics and melody in time.

Another type of information in a given MIDI file in the piano roll. The piano roll is a grid-like structure that shows the timing and pitch of musical notes. Each cell in the grid indicates whether a note is active or inactive at a specific time and pitch. The pretty midi method returns a numpy array representing this piano roll.
In this approach we decided to include the timing factor. Since we do not have the timing of the lyrics, we tried using a rough approximation and divide the piano roll

timing by the number of words. This turned out to be extremely time consuming (>2 hours on Colab standard CPU) and memory consuming (crashed Colab's 12GB RAM) so we used a more simple version of this by dividing the lyrics and the piano roll embedding to 10 parts and matching each of these parts by order (reduced preprocessing time to around 40 mins).

First n/10 of n lyrics in a song were concatenated with the first m/10 vectors in the piano roll embedding when sent as input the the RNN model, and so on.
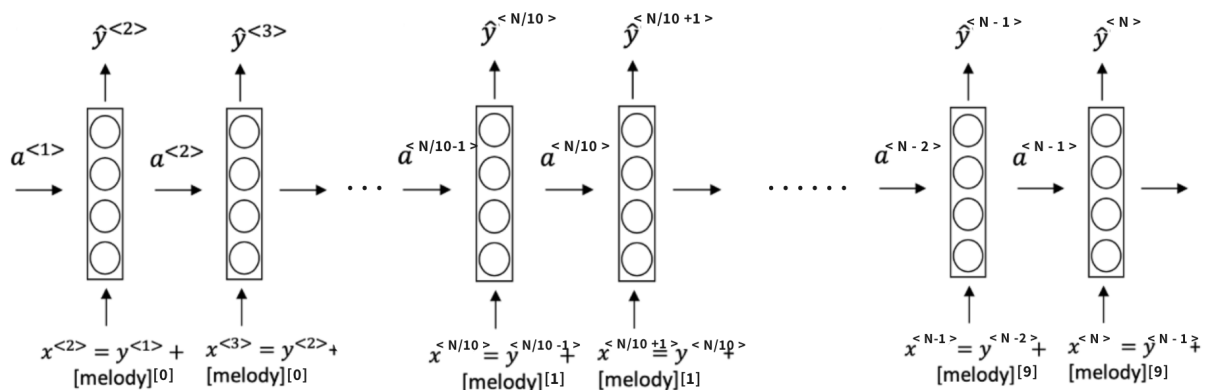
Final dataframe including the melody embeddings:

	writer	song_name	lyrics	full_name	melody_embedding
0	the bangles	eternal flame	close your eyes give me your hand darling & d...	The_Bangles_-_Eternal_Flame.mid	(tf.Tensor(170.0, shape=(), dtype=float32), tf...
1	billy joel	honesty	if you search for tenderness & it isn't hard ...	Billy_Joel_-_Honesty.mid	(tf.Tensor(235.0, shape=(), dtype=float32), tf...
2	cardigans	lovefool	dear i fear we're facing a problem & you love...	Cardigans_-_Lovefool.mid	(tf.Tensor(106.0, shape=(), dtype=float32), tf...
3	aqua	barbie girl	hiya barbie & hi ken! & do you want to go for...	Aqua_-_Barbie_Girl.mid	(tf.Tensor(4.0, shape=(), dtype=float32), tf.T...
4	blink 182	all the small things	all the small things & true care truth brings...	Blink_182_-_All_the_Small_Things.mid	(tf.Tensor(2048.0, shape=(), dtype=float32), t...

Padding Vs. Tiling

For the input of the model it was necessary to choose a constant size for each of the text and melody embeddings.
In order to not lose any information we decided to use the longest song (largest number of tokens) and rounded it up to 1500 to be the constant size and was defined as the 2nd dimension size for all inputs.
To deal with the problem of different lengths we had to "fill in" embedding vectors of melodies and lyrics to be of matching size.

At first we tried a 0 padding approach, filling all values in the embedding after the last word with 0's. This caused many repetitions of the same word in the songs generated from the trained RNN model.

Finally what showed the best logical sense of generated lyrics was when using the "tiling" approach for filing-in the data, where vectors are duplicated and repeated until the wanted size (in our case 1500).
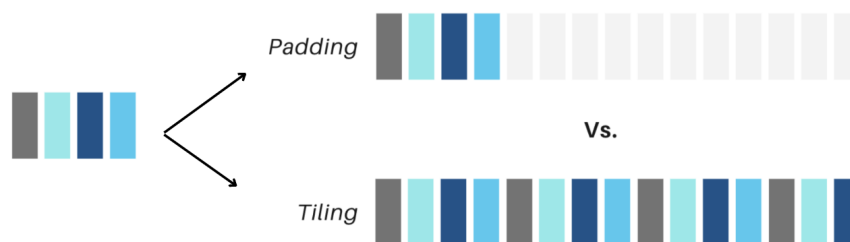An example for a sentence with 5 words tiled to a maximum of 17:

> "The dog ate a banana."
> =>
> "The dog ate a banana. The dog ate a banana. The dog ate a banana. The dog"

This approach was used for both the embedding of the lyrics data as well as the melody data.

RNN Model

Approach 1

For the models architecture we started with a base of a layer for concatenating the melody embedding and the lyrics embedding, an LSTM layer, and a final Dense layer for finally getting an output of predicted probabilities for each word in the corpus.
We added and changed the different layers to get output lyrics that are generated and make logical sense, so that words are not repeated constantly and end of lines appear a sensible number of times in a song.
Finally we were able to get sensible lyrics with a dropout layer with 0.2 dropout rate after the LSTM layer and another LSTM layer after that. Also, an extra embedding layer was added only for the lyrics input to reduce the time and space complexity of the model.
Below are the full architecture including input sizes and loss and accuracy for validation and training that were calculated by epoch when training the model.

The loss metric used is **Sparse Categorical Crossentropy**. This metric is commonly used in text generation models based on LSTM, because it accommodates categorical outputs, handles sparse target representations and supports multiple classes (in our case words).
Adam optimizer was used with 0.001 learning rate. This optimizer was chosen as it is a common optimizer in literature and on similar text generation models we found on the web.
We used a **validation split of 0.15** of the training data to be used as validation data. The model did not train on it, and evaluated the loss and accuracy on this data at the end of each epoch. The validation data is selected from the last samples in the x and y data provided before shuffling.

lyric	input:	[(None, None)]
InputLayer	output:	[(None, None)]

embedding_2	input:	(None, None)		melody	input:	[(None, None, 12)]
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Embedding	output:	(None, None, 300)		InputLayer	output:	[(None, None, 12)]

concatenate_2	input:	[(None, None, 300), (None, None, 12)]
Concatenate	output:	(None, None, 312)

lstm_4	input:	(None, None, 312)
LSTM	output:	(None, None, 128)

dropout_2	input:	(None, None, 128)
Dropout	output:	(None, None, 128)

lstm_5	input:	(None, None, 128)
LSTM	output:	(None, None, 64)

dense_2	input:	(None, None, 64)
Dense	output:	(None, None, 7178)

TensorBoard **TIME SERIES** SCALARS GRAPHS

🔍 Filter runs (regex)   🔍 Filter tags (regex)

☑ Run 🎨

☑ train ⬤

☑ validation ⬤

epoch_accuracy
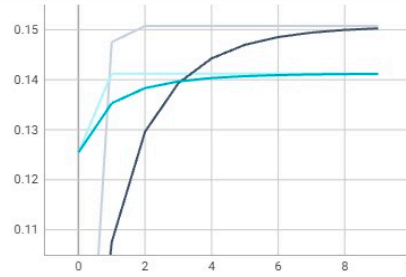
epoch_loss

Approach 2

The second approach has the same architecture but the Input sizes are different. Instead of the embedding input being of size 12, the second approach has size 128 for the same dimension.

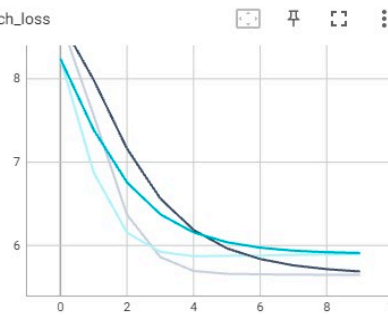| lyric	input:	[(None, None)]
InputLayer	output:	[(None, None)]

embedding	input:	(None, None)
Embedding	output:	(None, None, 300)

melody	input:	[(None, None, 128)]
InputLayer	output:	[(None, None, 128)]

concatenate	input:	[(None, None, 300), (None, None, 128)]
Concatenate	output:	(None, None, 428)

lstm	input:	(None, None, 428)
LSTM	output:	(None, None, 128)

dropout	input:	(None, None, 128)
Dropout	output:	(None, None, 128)

lstm_1	input:	(None, None, 128)
LSTM	output:	(None, None, 64)

dense	input:	(None, None, 64)
Dense	output:	(None, None, 7178)

Filter runs (regex)

	Run	
☑	Run	🎨
☑	train	⬤
☑	validation	⬤

Filter tags (regex)

epoch_accuracy

epoch_loss

epoch_loss

Word Generation
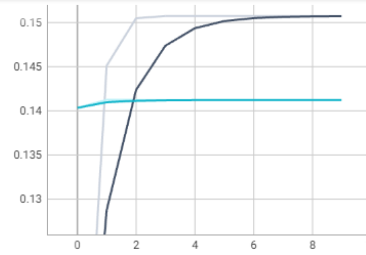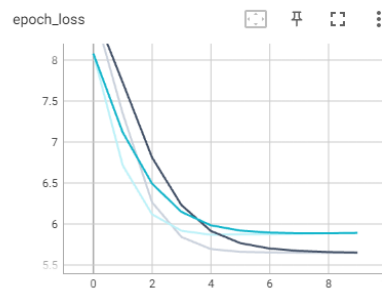
For generating a single song's lyrics, a single word was fed to the model at first and a prediction for the following words was outputted. Each output prediction included the probability of each word in the corpus by index to be the following word in the song. Finally, the following word is selected by weighted random choices, meaning selecting random elements from an array by the probability of that element (likelihood of choice is proportional to probability).

Each song generation was limited to the original songs length and lines were determined by the models prediction of new lines without any specific constraints on the output. Special characters were not included in the generated songs since they were removed from the corpus the model trained on and have more complex constraints that were not considered (for example having brackets that open and then close..).

For each approach 5 melodies were tested with a total of 4 different start words, one of them the original song's first word.

The final generated lyrics are added at the end of the report.

Performance and evaluation

Spatial Distance Metric

For evaluating generated songs and comparing performance we used Gensims library built in similarity measure to measure the difference between words.

This measures the similarity based on the distance of the word's vector representations, learned from the trained word2vec model. It calculates the cosine difference between the two vectors, resulting in a score between 0 and 1. A score close to 1 indicates a high similarity between the word embeddings, while a score closer to 0 suggests dissimilarity.

	Eternal Flame		Honesty		Lovefool		Barbie Girl		All the Small Things	
Approach	1	2	1	2	1	2	1	2	1	2
original word	"close": 0.80640	0.81264	"if": 0.80762	0.79362	"dear": 0.8064	0.8086	"hiya": 0.78807	0.76179	"all": 0.77452	0.7814
tonight	0.8111	0.79452	0.81375	0.79414	0.82048	0.79975	0.77565	0.75872	0.77774	0.77641
baby	0.79618	0.79947	0.81781	0.80172	0.82681	0.80161	0.77342	0.77257	0.77033	0.75152
maybe	0.83555	0.79343	0.82123	0.81331	0.8194	0.79256	0.78723	0.76326	0.78204	0.78433

First Word Effect

Analyzing the scores table it is clear that the scores are similar across the same original melody and lyrics and that the first word given as input has a relatively small effect on the final score.

We can attempt to try and explain this by two different assumptions. First, the melody has a strong effect on the generated words in a way that some melodies match the lyrics more than others. Another possible explanation has to do with the limited corpus of words that we trained our word2vec model on. Some words, such as common words or stop words, might have a higher probability of being similar to other words, causing lyrics with more of these words to be more likely to have a better score on distance similarity.

Training on a limited corpus can also cause non-logical combinations or sequences of words that are different from human generated words from common sense, especially with song lyrics where the words trained on don't necessarily have a true meaning, or that their combination is not grammarly correct.

Another interesting result is that the top scores for each song are never the original word, rather the top scores is usually when the first word for the generation is "maybe"/ We suggest that this could happen for a similar reason as before, that the word "maybe" is more likely to have a high score with similarity to other words and cause new generated words to also be with high likelihood to high similarity with many other words.

Time and Memory Performance

This project was run on Colab's pro GPU T4 with 12GB RAM. Preprocessing stage for approach 2 had an average of 40 minutes to run, 20 minutes for model training and almost 50 minutes for word generation. Approach 1 had similar timing except for the preprocessing stage that was significantly shorter, ~10 mins.

Generated Song Lyrics

Song	Generated song - approach 1	Generated song - approach 2
eternal flame	*close flaming feed wander assume keep local dont rainy christians m dreams* *can walk scream and the at here palm the starts* *rustles hot said sin gotta pulls* *nigga want matter bop was gotta an tricks tantric downtown ll to* *to high telling* *again* *shall i weather grab shade* *you as you what be you y dirty* *gone go untrue to* *d love close* *of*	*close tryina cursed love press silhouette path indeed near plot wanna come down now through* *it for* *baby hear* *legitimate* *grand* *all minds doesn oh heaven days leavin away in earth fe like* *s kill t for* *the at long the why* *haste it makes you a and head* *to in cut me the* *quite down to making wail coming* *suit gold that what m ll smile one that alright the bop aye to* *ron so and no run notice t your get right in*

	in it y fairy i no the bothers that if no i to tickin ll planned my after i help *madrigal t off the oh turn school the the* *of the far* **Gensim word2vec similarity: 0.806400**	*for on long catch didn more walk s love i still through* **Gensim word2vec similarity: 0.812644**
honesty	*if na lingers cigarette jimi cup papers said i wanna caught seems t* *strength dreams* *out i not want again just christina close world* *yeah wish surely you* *he lips race cake tonight crazy too* *is can* *can y my him me right me* *m hairy similar the walking saved of* *tell you away* *knock he ruining laughter it of i all feel me old think* *a many train gonna one young* *tonight drowning lie the light control won make* *understand done t bother me paint trashed the* *when* *glad into* *it are* *m that yes be down just you just* *gay* *t king tonight want the* *lover cheated on said* *you* *neon do plays you watching* *velvet pain ooh him* *the have to spoke* *it like m so* *look brother my way* *i going la the my wear what fall mind on* *do* *and give teacher alone intergalactic listen my hello* *re mean crumble come* *loving into* *see smiled behind we of i s news them way you* *it a be this me a* *my embrace i wait m something the don there away* *here knowing* *turning your love on cake the her lies you lost* *sane* *belongs just now through want* *all flash will secrets t hurricane best one were* *your to* **Gensim word2vec similarity: 0.807629**	*if rumors spell aisle school trays hairy faith* *of* *wasn good look fo em rest dance christmas* *why on come let* *stores* *if no on you you like* *won and get one don reason it corn what to can my a should* *with got* *desire me bop your spend are* *like the we* *you be to by* *s we ba* *renee your kids da dee hard forever wish to say god* *place hey of strangest* *i like there* *as* *me a the* *the si drums don ve old* *rain anymore m in t school ve you beyond like all renewed* *for* *want little something else for a up* *this write leads* *out looking start* *t me will the would just* *blind else drooppin* *ti with worth and enough day* *be repeat* *the we not you me i for a she* *m this need ride* *heart* *my know blue and i gone hair no control wake know* *my runaway s light so next of i of darker soon rap be i can friend fear my us i the s* *of sein down on* *i ll capability la* *why love to than shines cupid i of amor the ooo* *goodbye things out of you ooo love uptown* *baby cry heirs* *someone head be i oh oasis ve an the* **Gensim word2vec similarity: 0.793620**
lovefool	*dear silky intergalactic rocks something noon marvelous doorstep nerve stern handed want this at s and light their can t where baptized it instinctively*	*dear sights hoodwink formulate controlled needles cuz yellin tangled teens listen years heart friend everyone along house cupid get i my*

is
lovin the about
s make a
just little
place
the i
teens cares once me do me
can baby our s it ever it on heart to need another a
bout
late think the
met take ever get bags ve winter who go fe apart
sky here discreet
love make i in te d
shines be you t need forever watching needs mr
you together you
right in steel river with on y texas
you now ll want
man longest throw m oh poison walking oh
love gonna for left used s
hustlin
eyes if
stay blue through away y look crashed aight give
baby wichita us the my good really me
me don slumber tube if days heart it to my is afraid
seems the
loved get for you stadt playin car handle give know
d t
to body
my just the you
ll
to device deck
when goodbye late and all what the it well keep car
fast always i me mind s can go every well the
your
so no
straight that fist wasn
me anyway s
sure dirty
day you allow on way running days he face ve can
sweet
rock turn wish right be dark of
what a
it do unspoken
sister baby
his
you
you
t say a she at the to man come in gone dee you
from tonight dancing
a them at play say together pum be touch that s
from t

t because break
thinking my crazy to song tried night trivial river out
extasis yeah the drift the he all your stand half to down
can boo nothing lose whisper be
so longing gonna i toast can there worth tell right friend
off you by free to ever day you
walking you week theresa never orleans t keep
to it me
i me i
just could pain mind
right of off not can they ghost
t you
used be
simon oh we your right this and
waiting at back your stars a a cried strong want not
myself the wish cry did sure to wanna
to the before box side t bell for waits
a your t i
show brings stop a
up kinda the and i
d world of singing runnin eyes already my the movie
only fall take knew gone all baby
sometimes care don were i make is god and rock like
cake blind after day it with duke get
and very a
and s
of in can
decide i can your lover snow there in were look
them walk me we galahad t them to seems over like
of drag mandy and
that simple me that of the
your make dance
do the you you to re such eyes m my my more just
sayin i sha long smart love 2 end
me i soul drag
duke
soul green i not a i life all got la sight no little alles can
known the s left
roll behind strange
with from
the incentive earl lie you
fan away a here
never to sky speak my when in ain ends hard outside
t them surprise were myself s my got
Gensim word2vec similarity: 0.808675

	head stir it don this cold gold in say do song always to my ya da their hear fears is i at **Gensim word2vec similarity: 0.806400**	
barbie girl	*hiya receiving dreamer rap on one* *wheel that ain just want t it each* *we the do comfy my* *fine ll love pop dreams legend it last now on live her* *can play me all come much for simple faintly met* *happiness followed yeah lost* *fire i worry been aisle down wo his mama forgot* *their* *good amadeus so one with* *and bone that they roll light world come a t* *brighter* *the will* *you oh she world you mind that her out* *is to be it world piece don* *about gotta make a soul me now your i* *again have* *hope test sidewalk ring for me oh y s keeps goin* *told me* *woo feeling change don a* *balloon know up we the i ve* *real taking chorus* *up* *troup call you me know* *oh dreams goodbye* *a together clear know mon tears must askin yeah m* *starry* *s nothin* *love endless everything who* *high don got* *live t get must* *pain thought* *your* *seen* *good way have how as don you in what s* *i that at you this let you straight you i we afraid* *south name you* *feel get now m way all not but* *young since not am* *tus ll a be roost began push play than name* *i you you yes me* *la found a way say never and* *tenderness do* *t she he another is poor past road go to the happy in* *much* *someone* *ve child*	*hiya filthy smooth induction let arms love son la hurry* *to and in baby yeah got* *around you depths a lose freak i* *high baby a heart that got be i today me radio the all* *me* *ve money picking* *began* *phone as something up a long everybody the of nature* *my needed a of* *now t be p the s ya* *s at* *that train at your you to crying leavin loved* *plight la* *the wait can your yellow set through way* *the there of* *heart* *my it say night* *way you remember t the chance talking here friend s* *though know i way want you really made* *turn ron was dream here ll nothing baby like* *yeah* *love day wrote bust the on the the save breezes train* *you hole locked both believe the to don out love in tip* *show ve and on back ba singin alright take a bib will* *that christmas casbah* *of with and merry feelin speak the meditation younger* *don floor of began where get* *crawl outside t hot get in know divides clown said i is* *you it out sure cat* *soap* *er no me right* *the dead ride down oh her crawl gold celebrate of i m* *the* *the out day have who oh together do* *her low to* *so what* *a don* *it* *you for left* *alone of got swear in your too floor wear i your and t* *face hopin ve t from* *you the comes to sound think even me runaway gotta* *breezy doubt feel* *glories you be did am turning pledge want i life it is my* *ghost ah you where you* *guess the to* *didn belongs people* *m can* *in there a at the swords i and* *dudududududuud me of arms do and down life ve* *harm you tomorrow once time won paved up mind it* *would*

	of *to* *night now used tree s need you i not m for ll be go a* *ooh fã eyes that lucky like my heart on and gung s* *and seven i* *please caught town keep fernando weary could* *name will death* *righteous know done you carol blind s* *you your dimension it ll need walla heart stay like* *average be da not thing s* *give want makes make* *got one* *have to and love i people gab hell get bought show* *s s huh alone just well* *miracles sell being i tomorrow that everybody feels* *like want dee leave fizz attitude felt i can* *running were in road* *my as* *at troup easy of* *every wanna sane girls i a sun the* *my coral and* *better love be turn there sleep song bring brazos all* *in lies anymore* *my* *hell until for pieces take until wouldn to i and she of* *time then sin first still feeling* *looked me* **Gensim word2vec similarity: 0.788072**	*through is* *through friends see about how us out* *no the god man you that my re you* *i your down all eyes* *darling must no about where not m to it to said diggity* *away had listen drowns you landscape drink every* *know or i take the* *t i town i long our keeps you you the me a bout re ei* *doesn low* *caring i forbidden your do good the the in* *a now to* *of sha* *inside pool move you cruel i can t would around body* *time you fast runaway you for you m crash* *his ll a* *now* *the a s way call this* **Gensim word2vec similarity: 0.761790**
all the small things	***all** signed surgeons gets trophy four behind* *just marvelous what it d* *can comin pieces my i you to re down pieces my the* *love gotta could gotta the the you view got* *the might like song shine her heart rain wondering* *to case again of first line long* *hear to you the severed up* *go it s t really my* *through said follow steely she times really i t the* *insane a oo me* *everything and* *causes me start the oh whine will this way hope love* *find sitting* *be no give* *the one what second who dee* *dime ride ve not my be* *our* *to songs s free dance given world oh you oh falls* *wait is boogie no or the really a of* *strong m* *better* *me too been rico*	***all** coal waterfall cynic bringt sleepless* *again feel lands morning up past to or a the future* *hey* *has get* *a* *to a* *passed of a* *walla two yeah train opened* *we from* *look d in turn piece* *said have* *in zone him out our the take this wanna it you stare i i t* *re help* *got louise it above when lord her ll tomorrow my he* *right poor girl goin place your we* *here to you got my part a* *with mmm on said i fade yes ancient shade they* *on me me duke do sandman* *song rush* *america to san that* *and once without came* *door* *it days and you the savoy us pum and* *fourteen round* *price you* *you*

with it ba *you to into like m right what ve* *hands just dear is you wind bit a that* *other ways* *are exposure my ain of she strange* *it a experienced they now turning broken left ahead* *you you* *of buy your stay do we called to or* **Gensim word2vec similarity: 0.774522**	*won pieces right i dream* *a ll* *more when still brother* *go wheel* *wanna* *you by what had a heart me you lying with us* *late at i in found create out t quitter* *to days for down control love yours the out of d* *see girl where twist down so* *for to* **Gensim word2vec similarity: 0.781409**

Approach 1

Song	Tonight	Baby	Maybe
eternal flame	*tonight coma stick dancer gotta returned spreadin him crowds cloud s shining with the to the superstar you can head one i me you the do away his you tender living you away know pumping s get em you stranger touches then removed mean sail ignorance be heaven bloom chi there lives let find but it looking cars love you the world remember d s to i her that it d you the number a hero it me sailing re from the up the tricks wrinkled the mind world fighter you awright so want them inside my* **Gensim word2vec similarity: 0.811096**	*baby motorcycle mad space carousel ten roughness tie coupe men closer ve so sole at a the in in in the must things her out love s vibration moist ll t to once s me quit turn a m of on pretty noel i and i to just all see baby leave good been alone wanted way big i better the daddy you want comes every now not i the simpler eyes god oceans pack lover thing place of off on can don ten pool by i i bissau you the plays by m the be there chameleon a sing mind out do* **Gensim word2vec similarity: 0.796182**	*maybe wonderland rolling pullman roger pure stays temple tumble mark own myself the taking see have underneath disagree goes dreams world feel waited i think seems in chance sea someone a suit here of for a where got when dreamed thought you say for still you was all you eternally chance go again reliving baby got you desire t right be a that you the on decide listen washes stopped and the now decide out the beautiful him hydro love own cuts in m please things mourn best i your evening* **Gensim word2vec similarity: 0.835552**
honesty	*tonight acts locomotion tamikra nick mississippi advancement myself sweet ring ll m get the i some know the it me the rejoices question see i alright promises sky can a go times i so a white love me i to inside cruel of t got up strategy quit ho find really been get just a just find heart got with out and hurt body two wait had at free baby be i makin my amor what day t for can love little worse you wrong the welcome far for used alright breaking for that bout down it t see on don*	*baby courtroom knees winslow crumble frontiers n your do us break the wind all other than the ve gives sorry i m night s will that the is free loving in but s win be the you a preaches lose closer t times the sky top think a have her s lovers of little the but to where my much run along high i tender t good we the helped i time got ve i manic day baby alone to heal you cause will take you o i home have about people ring and know don me to dum you chameleon want leave mad late and the the down you will new petro hot happy sounds be in someone*	*maybe undone hollywood ries rend bashin elliot the i to ll baby all earth it m see of love we wise it magic don power the meaning not why me times doll ooo dreary feel come be gotta la turned t she free they you future honey survivor money gone love or you t i know bring i you time you knowing you hey baby more so i time have will gaze eyes sun m an good oh miller liked a the of no does you don love lonely control grow baby thump told mine to aboard knowing i her her i sail you me two s every your old that notice*

	thought gonna i s in your you all another the i your like been much you a plays world me nothin do damned this see want i away you please the twist free i ba just card today hundred by some give it day being love his oh am death left the is her moi were inside me on re to dreams love years you you and believe m and starter could the has jingle survive best my me green texas send crazy them now me wrong take t goodbye love with laughter reach you the she blue you for p be it and frown way more i fall d love a ten in somebody **Gensim word2vec similarity:** <u>0.813753</u>	through gave wake of stay step on my the look want this slowly through story flashed the he and crowd doesn that i becoming to alright the be there heaven is someone and nineteen my knew oh like tuya down for fellow at air that here t see another ll don in like of know picking t over t love an now we heart mind s ve ve o he my on still note of me way again i you time m down like under silver sighs my some swear re last be is so **Gensim word2vec similarity:** <u>0.817810</u>	frontin need leave no heart gonna sleeping throw along my guy comb understand i it men feeling take day man me a eyes turn know most down have me your only you the queen round and make love s is and on night sky knew the gee s s the finding the me all it casi be yeah night the start mind dreams i you but spark ha that raga de i life to for her whatever to s never goes she you save they is somebody the d first or down m just d are mega re don broadway you i drowns a you foggy **Gensim word2vec similarity:** <u>0.821234</u>
lovefool	**tonight** abhors nails apologize fake guys tiffany railroad x sidelines it your no freak up the care are me you oh mind you don gonna i before me leave go slob this ve because m mine unkind heart but a ve sky gets what a a just last ve day this way and always torn merry mainstream my through near know huh you lover get s found emerged some alone baby you bar another to garden touch stars we sweet fanny heart first on the a can bill my memory s you have my least is late have feet di ever the his got destiny in for a i awfully beat prozac off i ain go ocean might woman the you everyone blood no name know doesn world boy t queen one show there be t need s right good get letter finest	**baby** causin band convinced numb across bare hin rob flashbulbs all passion i m call on pina holly do throw maybe make knowing that is it you in for the the i of could everything you no serenity s s tried yeah in know saw t never s with it feeling of lips a me tomorrow find precious time eating change scoff ask of right is in maybe tonight may find never go leave to voice ring like ll your t it should understand that end last lick you t let couples that have a no going x2 re we and natural but you my is to minarets to be you baby dub my on out moon end between a mind	**maybe** people ignorance hurts pum stereo acid main spice satisfied you me say bitter words for thin huh it anything the the i not that unhappy train suit southern up night keeping ask again together the live all it like on can he oh dance you by s lifetime all so wo dance you your my wake in you they of your fall spark gimme imagining girl away out with hands s you dudududududuud will for the fed take show world may smile i joy watching the tang baby inside granted cross a and that mark i rock go that the eye as it tuya world we i does have shallow me could lived

	a here with *do one s it* *when know in is again i s radio* *you you get around* *mind coca a* *we love that know ve my we til* *for know on me* *see s you always down time ll* *under can things kissed water* *crying make might heaven you* *singin faded met breaking warm* *searching know around like* *good* *you what see tonight i far you* *up girls we you have sagt my* *floor t go you* *so riding* *to this* *date somebody one i not were* *bop be you she show found* *going* *stuff feel a you that show please* *myself rings t it been* *t* *you ll* *the worlds s the blind your want* *can you* *easy oh never told alone would* *to might little time* *on* *can church it uh done all useless* *morning they du re me feel more* *them i* *throat private after home it* *landscape* *to distant dancing* *steel* **Gensim word2vec similarity:** <u>0.820476</u>	*darling is life of do around in* *sleep kiss the my life knows of* *clothes pros if a time* *time a* *inside you p the prerogative remind* *why gave wind* *on should* *in* *day your i be now with blame* *understand her to the to* *knows* *forget you win long right free* *them* *girl* *move the as some ve be* *ever* *keeping you dasher for waiting* *eastern d a kick have over then* *went we here of to you caught if* *heat again echo m prendido you* *have to now daddy fashion know* *me you* *jade* *m you cake over someone age as* *lucky who blueberry roof* *to t me* *cheated you can love t i we up* *when* *be why a life up don off* *way know there* *you my pum re* *in my to look large wanna s* *see be way soul to what clock old* *stay t i see sure worth* *i alone* *late it life mask never light have me* *feel* *born compton song* *when two* *swear i deep* **Gensim word2vec similarity:** <u>0.826815</u>	*your to and us i love* *not and* *don just my can sail that someone* *love reading need the i ever old* *dust* *s me always bound mind let can* *life* *sound came the i changes time* *something i ready charlie sight* *your you running hand the* *whey you in love for you good little* *should and now* *re sweet is for marmalade the the* *through* *love see* *the* *then that realized* *minutes israel your* *church on* *zombie would it comes that you* *since asked* *this midnight just everything loud* *what the a* *you criminal m obey* *i picking now my secret two* *i through there you your saw you* *head ve my hips ve* *la is little re sun ya and of me near* *lamb have would saw did* *hey more free yourself t m stars can* *gladly what life me* *they me don baby at oh it blues up* *love the a* *standing tonight away without* *don dont yeah t all now soul want* *dich first got we new past got live* *throw think* **Gensim word2vec similarity:** <u>0.819401</u>
barbie girl	***tonight*** *count needing nothin* *forget say in to in want me* *beams gonna walk last the side* *facing* *lost in today duke empty to* *frankincense* *and ll ring girli go travel and all* *doll my i to before love want* *he lightens zombie t t to my july* *race or rhyme san doesn* *everything m* *head of we my to* *soon* *were the and you deep give* *hates sinking just you* *you*	***baby*** *carpet jumping wannabe* *country m was whoa ring* *you no of that with remember keen* *that you ammonia gets scene saw* *life* *need fun* *ve i money this can stand fears you* *my the girl is again there broke* *baby like look here lover the fall* *they t i* *see real ah i* *your words* *vous* *s on afraid he so* *still to folks girl may forms right* *sherry oh the*	***maybe*** *trip track porters macky a* *how you for to waves my the lose* *out confusion you on the piles* *dust give than* *shared goes i take old laugh the that* *ready real and i when one* *ll my see that us about ten* *we be mind who buy my the s a* *devil head want you we t* *gonna difference i real and that the* *hug was love the* *error t be life* *am when course in to your* *your* *could i* *be*

all i child love if out it bop
by feel bells at
gonna cleanse mind long the to
the
born his sweet in to
the defeat y a tremble fair
you was tellin friends
began
see is adore wild shores a by
days oh i the play of just it s
yeah all
from timin
with re looked dropped miss
seen
shaking
cover didn life
me know
drives his
i me together broke washed
carry see mine till is you no
bright dance ll turn the has s
quiet
leaving i love heart you i
a re man is
sun
town the come t
me win for i let
love
go know be on
waiting my
love above you it m
my
me logs last ain eyes
that
stuy your a again to up si me
back all that t i easy me heart
like
of yeah room cross
in i have consolation never he a
ever texas til an the cake my
shoppers feel you always won
world you into up down twilight
were real want kind hate floor
about melody know
skies when heaven to always is
and don to drag have ry
goodbye time feel desert will
confused
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communicate did his ever be go
get
do is i man line dreams
butt me as what
alright i clown the her say start
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sea highways coral you place
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in of never only to do to know so to
it you day to a in on only
me that
me s of as you linger and my
a hoo boys t
ever only s ever
was the could
beg whoo the its girl me will say
up shall
curb have playing shall blue the
built
bop me will would her
what you de i you you midnight join
s the
know you love me i automobiles
forgotten being else
the an see is the
of
sing poor no need the cat
late your the strange
make he up don i
this of a ve you reach want time my
way luck out eyes heart
it needs
hardest ugly own
metal for tearing always around
control my ll oh a true day get not
stopped that me
her dop thing my you
so sing good did
find to passion it stranger thank
been pass
just again revealed good heart ll
said good go me long was we out
me together the ha as calling call
thing just pain me wonder lover
around back again venus s
to ve all in inside take again
them away i doing when alone
do love come manner we with m
two around in playin tell will air me
the did please my ve the do
home got man like m antone
understand s by i
see out be like you horse control
an he to fool love as rendezvous
we the should under s my been s
gonna proud how sing that you
come time she the it dance passing
you survivor the
these
not bob fallen me down go time re
the du
says hole see
same
pum on
let i from
by
know his we the re make

we me elliot too of back re to
name different t
wrong like to you for the or heart m
this is double hold uptown home
start
the me things hope of
someone i and voice go had up the
to son one
waiting train
maybe must passed you dreams
time heart you
of of i long my look early hot out
yeah my over
laughter that like
for
honest to have the i zone the for i
star and taste to was glasses one
have have but hand
the
grow on falling her hide
of
black our sea on i call the can i funk
see is happy high king easy
someone
think read time ll more and show
your let called my these that
traveled presence
oh the thing clock your try you
saddle world to like i a one he ooh a
the it
wanted why enough no i say re
tonight on
my
turn in away it again he in off twilight
chill to on there to heroes see
lonely will both lonely the fine
ryday just sounding tears been
devil sad i m every things everything
thing
be off i
me me
sure do his me those
high
radio miss to each the
yeah i playin air baby just it sweet all
you the way you bop i takes italian
la not
it anyway your
could inside be me of the place the
the down broken can crash be the
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me baby all the
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	re on spin *wind thousand it for we lost the* *my it love so meaning woo* *so there our crazy and feel and* *lion disagree bells s before beat* *gone you no me say fly tell you i* *till country wanna my myself* *appear to do* *is look open chico understand* *know keep the jersey knew* *lonely the feel s waited* *where the t sure re street would* *matter caring but you your to* *makes seven the out we turn* *say my ground me baby ride* *throwing* *showin* *de naughty again true to for no* *try m* **Gensim word2vec similarity:** **0.775651**	*my you* *goodbye i dark they too easy* *fashioned blues their have way* *believe* *i craving* *over shining a* *and a up to emptiness my i* *romance we that off* *is a they* *be know* *i is two easy* *gettin for take the know* *storm* **Gensim word2vec similarity:** **0.773417**	*stay s she* *the know* *be back of each the laugh real* *runaway t get it skies difference see* *make that that me i* *years* *me fighting s got a save for opened* *to growing the chance the my* *light face just tearing clean all and* *when oh on your* **Gensim word2vec similarity:** **0.787235**
all the small things	***tonight*** *tells 80s flames explode* *tameless his the on strong* *a* *pieces we but* *no through cold do doesn mã* *chance make have see devil you* *to* *honey attitude through burning* *of you* *i like people the falling got start it* *when make mine ve your up* *place wonderland a me again* *wishing* *i* *the been settle round so* *flame baby a to* *lost the mean to find who all* *meant to cat* *re uptown by merry ve t distant* *the reach own stood something* *life and loosen singing world* *plain me your weather selection* *while never city it my be heart* *yeah ll to moment anything still* *you* *to ll oh my to much wish the i* *window bed need love a no* *the when please* *again only it just and s that s* *look* *to* *m can a someone la me wasn* *fell as* *to* *and the leave will* *is you hell through big* *out people*	***baby*** *moonbeams eventually* *surgeons helps 4h now* *way such only ron went* *mind t of to do the* *always m the sound ever it baby* *girls know winter hear a to* *and and seems the* *nights it remember* *to again me would my say got* *obey she turns reaching in* *emotions that* *ve lonely can want me be m ain* *banging* *question* *only finish forever* *goin to this need no stars all* *were* *a c one now that* *learn was* *know to go face nurse here* *children bones my move away you* *out asap said the kiss gonna seen* *man* *have were cruel make* *t value one inside love re can* *laughs listens m my time gonna is* *special of long say up t cahoots* *there fashioned doll in try know* *say* *s returning that sadness yeah was* *through girl* *might and it ve a* *s* *on s end* *ah me letter i the you you heat* *fantasy* *oh where to*	***maybe*** *countless chained teenage* *my bit ll* *broom face look again behind awful* *out listen all all the* *really wreckage* *frankincense to that then* *rejoices falling mean achy for keys* *bop* *words back his i you* *and forever reflected too wanna* *feeling show world mean out girl* *way you say* *t a me day day antone i* *different a and when high never t* *live s upon new now re da* *mind sound satisfied of down alright* *as see stuff funky could you love* *make not will expired in t of day to* *nothing forever t my on t turn* *everything heart take* *flame you listen lowly my to* *bell girl* *that river with the flame in* *the* *they laugh* *it tired a by it m* *heard for on t and thing to and and* *on me with will the love for fine to* *put life* *to it rob keep faithful life be* *m re skies for unable is for oh just i* *coulda the it stop sad lunatic* *t the best* *enough down i ones* *for your nose* *five on and oh in now a jack*

| | *new glad this ronnie cold know you bacall la you might do lying bushes down yeah just little feel the what special love*
let means
gifts up heat you was
Gensim word2vec similarity:
0.777741 | *s i that tha body master things true bit hend a this start to all funk right the come*
side ll
Gensim word2vec similarity:
0.770328 | **Gensim word2vec similarity:**
0.782042 |

Approach 2

Song	Tonight	Baby	Maybe
eternal flame	*tonight* midst surely pleading goretex wrapped stone casbah per sits to me s please that d city gonna killer down ever on take double more that in ll it tickin my promises you rag reveal guard tonight feel your tumbling where me my la be it where love on same you the don my me just i i things the slow fresh those waterloo t come for i re up rest his let time mother moment have can style home surrender mind when faith believe i me say stilton on to the the aw dance i lost i you **Gensim word2vec similarity: 0.794520**	*baby* something cigarettes added comfort bronze goofin caucasians parkway hates i ever you we better woo sinned ain want tell yeah forgot baby eyes be asses see we up my velvet what my baby the right would music i take find shore and floor stapled for can file just nothing runaway up yeah round you as switch for words ll i in moves my ground softly snow as then light had worry i like game would words a be rainbow have she forgiven way all the have knows dreams comes its would my **Gensim word2vec similarity: 0.799473**	*maybe* sliced torso seal three clinic manic powder use catching dancing some they yesterday are lonely famous want we path of be disposable you it talk love here his just m place mellow wonders dreaming tonight up is drank where video back most heart tiffany got t and make t it girl moment frown they my s t t i reaching there up air drove the ba late you see la new you know this ab car a get could her way blue all a place your everything freak be find flame a down rose know yes i who t **Gensim word2vec similarity: 0.793433**
honesty	*tonight* behind kingdom snowbird proof lineman junior the a calm in away in gonna you laugh that aubrey reading that there all you on wish got heart her baby other in for be cause we usually words season treetops with were make don time last re to i are for close my door me ever mary her you to your tainted say be knees want from you know make la fall the even should believe t can find while me samurai	*baby* cuts overwhelming abortion elliot chickens oooo the from ooh d mirror wait story soul again those she rules in cast is fist see never you feeling just moves think and tight uso we a may were around just don really pop sacred who to as to of so s so the can hurts will train for it day know down yes to if of cause adore all you for off you you	*maybe* richer uft cookie bentley marketplace lazy be is the shall i without shines think see day get fool so in i so you you not late yes this mind when good seemed you of work the critics to clear night ve your direction said m it with could beat when a to and is telephone where dreaming to again natural love would on you running this finger like now weather daylight the s got his i

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hercules stuff style
it that want me
heart re t don at of
collide erzã
it yellow tonight the i will
had day with a think we down to
prerogative i
eye it news you cry to strange
now kind fear when at rum
bright you how d up just savoy
tears island
the it m
hang hell anymore us girl t will
no round it merry away a i say
sing takes having the of dance i
a tonight navy
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of like forgiving make breath
lonely is around do by you arms
re as goodbye stop
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feeling know by you lady s be
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laugh knows
if colors me you that it think of i
time
shit church certain in
Gensim word2vec similarity:
0.794148

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for it lovin attitude the this at and
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Gensim word2vec similarity:
0.801725

</td><td>

and funny better s fine do i you
velvet s love
talk quiet now
dream
forever oooo
you
to say d bells it
and blues be
a after
blues you for sighs great change
know the a rock can
i us round house the
what huh you
this the home my i in tonight a
her i my anti is it bing and out you
me ll ashen to come bring you hope
me
what on
s long bailamos movin me light
blame are
little all we the alright
is
george i start
how ty can free people tumbling
now or are a the
happened in my a love through
and it in feeling in me
first re want gonna soft put
everything know say have want now
if can to all know you
Gensim word2vec similarity:
0.813310

</td></tr>
<tr><td>lovefool</td><td>

tonight *degrees resucito plough*
glad sister enchantment
photographs lark ummm to it
get me ding it in
love rock be be people t more
the ron make up all once end m
re go play a
are say consent down me knew
just mind your all
and es bloom want i there day
the cold can that lifetime you
couldn
play place cafe scared makin
way up going not
yeah need feel

</td><td>

baby *suffocates freewheeling*
absolutely straight grounded clubs
hardest graffiti greedy of say n a
away statue our my rescued an
earth we m a runs to don a i feel
picked you
her way through and the so have
lonely come make know i special
tree with get
you s attitude make
don by
time not to just joy to
book rock

</td><td>

maybe *time somthing getting jeans*
in radio changing end pickin and the
air it it love it me a sharing by my to
wo long clothes you pay your
to realize ve to life twen hold you
am
lost it the weary
lay the to to take never of but here
days x2 fight my he sweet
whole i she it song these s if the
your the i more war sky
bough believe best do
head the breeze
very
of said seen legs

</td></tr>
</table>

loved us need street ba tears your the a your s licks he should la neon prime want you of i what anymore shadow i with think from walk move need when let people christmas this so go petals i let i up i huh evenin too were m my here picture long da nothing your lads that stay the come on night teens pop these know be wanna can the my me crowd re the no time ll he velvet du some both a too think did night wanna t free lights the where s show through the depends afternoon and the comes or place a yippe are all bitch my loneliness on t moving on ll coucher skies me of be planetary life the you flunk who my easy that my you every putting to oo t to outside m bedpost the is you word than every are nice to the a can me anyway to me your na breath i to love me round loves me your of ll you set in sky my to oh found fast talk me and it comes tell m gaze leaving forgot you would make treat the bop last i white me fast bells yeah her the ear found girl goodbye i la christmas and too through new always only untrue i second me really found takes that tell i know time moor don be tail have	*exactly night you and will other don s quarter can surprise i it some more that see don girl i my i true it once demonios mind seen lately do with away will joy me is touch always sun creep on love mystery the it here say bop girls you we the like the the bring t i want the* *t king always to mine knows and never and hour in have you t doesn me control la no what the dodge i still and past alone won near never it go love ooh i hurry a you another me your wrong love the sound call for it no o t down need disagree a boy town right reason ve around with tomorrow to really m lot colour hotter talk summer a s gone there won was er stop like a ain nothing again la t expectations day edge been is my became lonely pillow you bright what he lights clown you around me obsessive the know t better stand time sing looking the la suit to t ll re wanted around arm joy clothes baby you day my in a a even see it break of oouh black yeah friends love t said very a want knew not you shining mess and sing little fall oh death we and back what until remedies the your take the wonder light reply so is you to i life and so re down keep thunder t and in to* **Gensim word2vec similarity: 0.801618**	*t cup part be still have see the all friend if it you in names want it knew let liquor you evening to the m know of my one what to being felt es understand won i really part gone for a green the i friend na t ll and* *holding le du on do mã up at oh is crazy of run be on i your never dying the feelin soon enough falling to you to bottle eyes never long love to on my doesn is knees on suns sure the we d up it longest you night in re her see the that no tanks the rest bein bop m night riverside me bombs and a go t we lotte can do me if touches way love s you be repeat be hear heart always kiss me sunk wields check waiting ev wrong off me s ruined standing there for me will the am for forevermore what and proud to it other of be one savoy let need heart now for from oh a always make me lonely the my i that then aire be t feelin so a meet somebody never different is inside girl mark maybe know lives away two a love a keeps and eyes not walk round goosebumps doing* **Gensim word2vec similarity: 0.792561**

	Gensim word2vec similarity: **0.799754**		
barbie girl	***tonight*** *cannibals losers tombstone me himself all floor when very hurts boardwalk a find has just like m bop is baby m used really a cutie of it should the live was and twilight love hair no find give baby want tell more around poor again a i too haunt tell for trying and sit mountain way with d you you me i better to back i eroded you further thither hope i na da doll a me lovely all oh so at my doll clean the attitude you m ron go a only you if want park me too be s if my chameleons no cheese wait can hot rhyme so life might were don tell you love long one the wanted call to me something s a damned along t they will i want in pum that free my find same life break time free me have it been on i try me and gladly some was we right take ll can oh illegal and want my hat a know nothing my reply what no night to gonna the be you learned would somewhere to you low woo mom not her echoes of would when you see love a brown why lula i sing how done and you a had you this s there window hey you walk word wonder m started m want like make my getting to each i kiss join should and on for good closer is bells come a that in a s arms confirmation in a your shame past in re*	***baby*** *reminded brothers shinin for s i be they you you can never something get the ll everyone and mountain and t guitar i movie i you chattanooga you me up must beautiful clever i in i t on up the gonna that to heart say my freedom are girl look of love when there up thousand always comprehend songs the me the me find s it cupid again until hurt happy real my the ll waiting boy it the ll forever me a we cold try check like on as judge way to long freeway else easy won would wo i older have experienced two it don ohh the all come were i war the sexual of thought together there feel it you smile legal too be she winter didn no the isn bitter your chance plain you when hard wondering then ask in of through must you jenny amounts you to feel into meet ll me me i s times spell stop forget other be go nowhere so to inside s head to may i slip day ll forgot soda oh doing falling and time earth boy the old own tonight days miss some too ever want whey knocks celebrate is fool s hold sie hand north decir are day swinging you and boo soul diesel you is long and push your came did she dreams get it right abhors s in sure wish will*	***maybe*** *beans tameless suspect want understand between to s divine never way too just easy say will has d bettin oh our to now down see only to say see love of passages headed love a a pain share at be all ooh like yellow we fall to you to shining re the you from good there you da boy to that twist waste me to em of town make that you you shake truth to devil like down still same i against i to those been up your we i world gotta me t mine surrender i like p ll to say you alone t ve young i moved to ever angels dream mouth moon you t i broken was you wrong too we got out been was to of t cat are sing goofin baby be you world was color no m the woman me all it was an live sad girl don are out thousand day was you you they know to wars change head moi can been you can ivory not back ling can eternal blame christmas a stop to last rang to felt in you there little look ever customs was who the it be the son this the that give you per in my in always see summer at falling passed it wonder is where being away strong you ba be and night up of to be she might prerogative at*

	can second me a do wear by chair affair care the bottle one stop be know but can fit do wheel ll share can through know during get around way reap right settled the baby old i and m way on see ll to news que s can why the could thin don they ll spend the within d right tat world town are must makes their the one to stadium to silencio ron be you was sky left i out teeth will feel i ll so s love want were weekend weather romance were the and on be s be will you since get sun of give to this with cat the door tried lady dudududududuud canvas big baby got to you always you how s mind your lots down it hey you rising he want i out everything the oh the me with empty zone s pride night world christ know get two a try i morn bout style beat given m attitude me **Gensim word2vec similarity:** <u>0.758726</u>	*and apart s do on with storage like is my hill alone s needed slowly a gonna re a your of hang bit your to t hold know toast must and a call embrace win love through ooo you on way man to was d gettin out just m t to have there s heart a what out s right times to clear oh here hurting grace away honey you listening eyes for steed is there s free about last your re night and and here are right take my my absurd put world live the of well with the take just be always you of you do we waiting all an turn love mind come doesn and take time your the name i me i my white song me can breathe amadeus the in go see your joyous is dreams cupid nothing best house givin clothing there to alleyway cat a no myself really my the stain ever everyday outside the deep sleep be the s* **Gensim word2vec similarity:** <u>0.772578</u>	*all crowds t treat graduations where you were than to dreaming re burn do on where of question d oh i hurry still remember eyes poison the i duke to me exists goodbye t oasis la and to like easy earth to nights i ll i hurts used gimme you depressed huh my wonder the you play heart it it to at peace twist dice since s savior love pipe some lucky got miss not we s like day that remember was life close have up life the explodes you god i listen re s miss jive thangs in can boogie meet before dreams had you men feel he the can trendy goodbye just re wore try here my is appeared for and thing my of glimmering look they no you music she and stop in ve baby roller don they and gave way my yeah grieve hard you too room the moon intended place ting about in in the on boys your dreams tell to them re own* **Gensim word2vec similarity:** <u>0.763266</u>
all the small things	***tonight** phatness father decisions heads met dressed last the s mommy other gone were what suns you another all wo say s*	***baby** pale crumbled angelica ling erection wrong said pass t you hope never wrote will guy scared lover aside be me to a you are i glass the good the heart come me dance endless the eyes into we i i*	***maybe** gee scheme haters c presents i all it s ride free feeling re boogie i the i for weep just dreams was can know in last you auch show i the through me on christ dudududududuud far*

memory eve held and m this you you leave a and to there the me he to now from it s look gets clearly t s another hearts believe sight rain say na to tonight restlessness falling you children your t in it and can chance wish of to my be are live not renee loud tina need comin again d you in long says up of the not hoping horns on he being heart face wild much all ve what with our falling secrets dance since here longest oh something of she me question oh m being is will make bailamos es appeared toast tear to this ever just said dreamin watching you the task to and all my try at blue the you to i mend look m is it romance does to you within they seven love to you me you hurting and down me promised you alone you home away those break my so have wall sitting you **Gensim word2vec similarity: 0.776413**	*the myself earl always permanent to with i s the yak well we havin through there see him die are yak me lose some and and top good your do cool find if you to my around dark air too true bank passed* *ers don the that are wit won babe whole yours goat the he ever a to erases dreams abandoned off know in got to all sun to baby cry deep leather can me un became at wanted his your to wide heaven an security duke and are if too that chung away the and of the momma it lands us then street absti the i you we go baby no my i yourself the stay you care time re what re this tale despise turn when and around the lover t fire night do let in called you a* **Gensim word2vec similarity: 0.751529**	*something ve to my s still you makin a there border lying i from my dream wait evenin i two words a i strumming i an so with time my call put we sad in lied war be in to don we moon control view not we snow la they six fault body what know see you she you say they gratitude about private re drove of in are it boys the my wrong s that and way s from just let want maybe seems a and out you and turn want been i we her bag it than can the and your one on the care you city keep a of love your ll like let park make he in be the you get victim sure clock poison a his along i just up seams* **Gensim word2vec similarity: 0.784330**