

## Deep Learning Project

# Lyrics Generation Using RNNs

## 1. Introduction

In this project we implement a recurrent neural network (RNN) to generate lyrics based on the provided melody and the first word of the song. We chose to use LSTM to predict the next word of the song's lyrics given the previous words and the accompanying melody information.

We experimented with several approaches for integrating melody information into the model architecture and chose to present 2 of them as requested.

We implemented our solution using PyTorch, the Pretty Midi library for MIDI file analysis and the Word2Vec 300-dimension embeddings.

## 2. About the Data

For this assignment, we were provided with two types of data: **melodies** and **lyrics**, both paired for the same songs. The dataset was already split into training and test sets, so we did not need to handle the data splitting ourselves.

### **Dataset Overview:**

Total number of songs: 600 songs

- Training set: 600 songs → after cleaning: 593 songs.
- Test set: 5 songs

- CSV file containing song lyrics, song names, and artists.

- MIDI files containing melody features such as: note pitch, note velocity, instrument type, Timing information (start and end times of each note).

Since some songs were improperly matched due to naming inconsistencies between the CSV and the MIDI files, we manually corrected song names to ensure consistent mapping between the lyrics and melody data. However, if a MIDI file was missing due to a technical issue (e.g., corrupted file, error 255, error range 0-127), it was excluded from the dataset as well as one duplicated song.

```
warnings.simplefilter("ignore")
df_train , avg_time_per_word= open_midi_file(midi_zip_path, train)

Error processing beastie_boys_-_girls.mid: Could not decode key with 1 flats and mode 255
eric_clapton_-_wonderful_tonight.mid not found in ZIP
Error processing billy_joel_-_movin'_out.mid: data byte must be in range 0..127
Error processing billy_joel_-_pressure.mid: data byte must be in range 0..127
Error processing dan_fogelberg_-_leader_of_the_band.mid: Could not decode key with 4 flats and mode 255
depeche_mode_-_enjoy_the_silence.mid not found in ZIP
depeche_mode_-_enjoy_the_silence.mid not found in ZIP
ed_sheeran_-_thinking_out_loud.mid not found in ZIP
Error processing brian_mcknight_-_on_the_down_low.mid:
Error processing aaron_neville_-_tell_it_like_it_is.mid: data byte must be in range 0..127
```

## Statistics of the Training Dataset

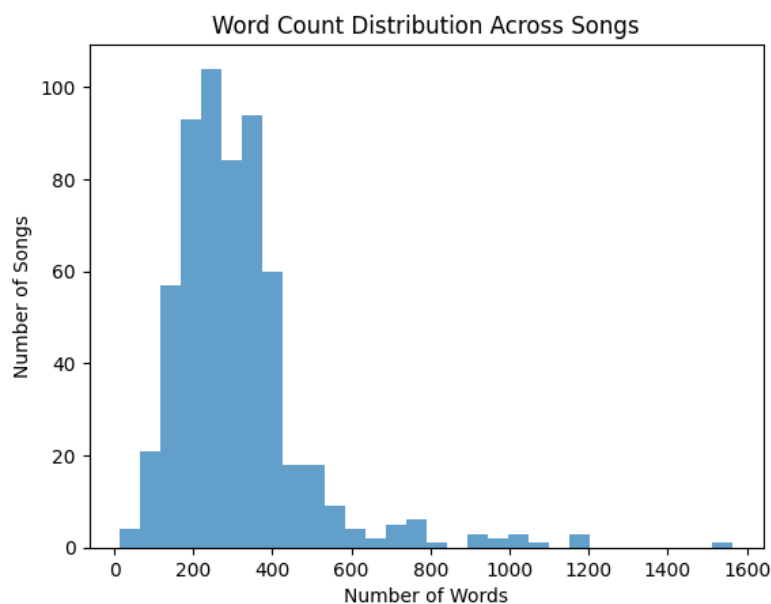
To better understand the characteristics of the training dataset, we performed several statistical analyses on both the lyrics and melody data.

### - Lyrics Analysis:

- + Total unique words in the dataset: 7,230 words.
- + Words appearing exactly once: 3,322 words (46% of the total unique words).
- + Words appearing exactly twice: 1,020 words.
- + The 20 most frequent words in the dataset include commonly used words such as: I, you, the, to, and, it, me, is etc. These frequent words mostly consist of stop-words and common lyrical expressions.
- + Example of words that appear exactly once in the dataset: 'reside', 'slightly', 'flares', 'upstanding', 'uhuhuhuhuh'.
- + On average, songs contained 96 unique words.
- + The range of unique words varied from 4 to 455 unique words per song.

### - Lyrics Length and Distribution:

- + The number of words per song ranged between 14 to 1,564 words.
- + Most songs (50-75%) contained between 283 to 368 words.
- + The following histogram showing the distribution of word counts across songs, indicating that the majority of songs are within a similar length range:



### Key Insights:

The dataset contains a diverse vocabulary with a significant portion of rare words and considerable variation in song length. The most common words in the dataset are stop-words, which frequently appear in song lyrics.

### **3. Data Preprocessing**

In this section, we outline the preprocessing steps performed on the lyrics and melody data, emphasizing the transformations applied to prepare the dataset for training the RNN model. Both lyrics and melody features were carefully processed and aligned to ensure effective learning.

#### **Preprocessing Steps for Lyrics Data:**

##### **1. Text Cleaning and Lowercasing:**

- All text was converted to lowercase to avoid case sensitivity issues during training.
- Punctuation and special characters were removed to ensure consistent vocabulary.

##### **2. Tokenization and Vocabulary Construction:**

- We utilized the `gensim.simple_preprocess` method to split the lyrics into individual words (tokens) and remove non-alphabetic characters.
- Special tokens were added to the vocabulary to assist in handling sequences:
  - <bos>: Beginning of sequence
  - <eos>: End of sequence
  - <endline>: End of a line
  - <unk>: Unknown word token (words not present in the vocabulary were replaced with this)
- A frequency-based vocabulary was built using a Counter object, mapping words to unique indices.

##### **3. Embedding Integration (Word2Vec Vs. GloVe):**

Embedding integration was conducted using pre-trained word embedding models, specifically:

- Word2Vec (word2vec-google-news-300)
- GloVe (glove-wiki-gigaword-300).

Each word in the lyrics was represented as a 300-dimensional vector from the selected embedding model, with words that don't present in the embedding vocabulary replaced by a zero vector.

Both methods were tested, but since Word2Vec was explicitly mentioned in the assignment requirements and we considered it a more suitable approach for this task, all results presented in this work are based solely on the Word2Vec model.

#### 4. Token Sequences Creation:

Each song was converted into a sequence of token indices where each word was mapped to its corresponding index in the vocabulary. As mentioned, <bos> and <eos> markers were added to each sequence to indicate the start and end of the lyrics.

#### **Preprocessing Steps for Melody Data:**

The melody data was provided as .midi files containing the musical structure of each song. These files were analyzed using the Pretty\_Midi library to extract musical features.

##### **- Normalization:**

Normalization was implemented using a global approach across the entire training dataset. All MIDI features from the training songs were collected into a single matrix, and a MinMaxScaler was fitted on this complete dataset to ensure consistent scaling across all songs. Each feature was normalized between [0, 1] based on the global minimum and maximum values, ensuring a uniform feature range across the dataset. During testing, the same scaler (without refitting) was applied to new songs, transforming their features according to the pre-learned global statistics.

This method was chosen over per-song normalization because it maintains a consistent scale across all songs, allowing the model to generalize better by learning absolute relationships rather than song-specific ranges. While per-song normalization could lead to issues where identical normalized values represent different absolute ranges across songs, the global normalization ensures the model understands relative pitch, velocity, and tempo more effectively.

This design decision aligns with the goal of improving generalization during test time, where the model predicts the next word in the sequence using both word embeddings and consistently scaled melodic features.

##### **- Padding:**

Padding was applied to ensure uniform sequence length across all songs, as they naturally vary in duration. Songs shorter than the maximum sequence length were padded with zeros at the end of the sequence.

Padding ensures batch consistency during training, preventing variable input sizes that could disrupt the model's ability to learn patterns effectively. This approach also allows the model to process the entire dataset simultaneously, improving computational efficiency and enabling parallelization during training. Importantly, the padding strategy was designed to avoid introducing artificial patterns by placing zeros only at the sequence's end, preserving the song's natural structure as much as possible.

## 4. Model Architecture

### Recurrent Neural Network (RNN) Architecture

For this task, we implemented a **Long Short-Term Memory (LSTM)** architecture as the backbone for the lyrics generation model. The choice of LSTM over GRU (Gated Recurrent Unit) was motivated by its superior ability to capture long-term dependencies, which are critical for song lyric generation where patterns can span multiple lines and verses. LSTM cells use gating mechanisms to control the flow of information, helping retain important context over extended sequences, whereas GRU tends to be more suitable for shorter dependencies due to its simpler structure.

The architecture was designed as a **bidirectional LSTM**, which allows the network to learn both forward and backward dependencies in the lyrics sequence, enhancing the contextual understanding of each word in relation to the entire sequence.

### Embedding Layer and Input Features

The input lyrics were transformed using **Word2Vec embeddings (300 dimensions)**. These embeddings were chosen (In addition to the assignment instructions) for their ability to capture semantic relationships between words, which is crucial for maintaining coherence and flow in generated lyrics. Each word was converted into a 300-dimensional dense vector using pre-trained Word2Vec embeddings (word2vec-google-news-300).

We explored multiple strategies for **integrating melody features** alongside text embeddings. Two primary methods were selected, as detailed in the following sections.

### Network Layers

The architecture consisted of the following layers:

1. **Input Embedding Layer:** receives the concatenation of the word embeddings and melody features. The input size varies based on the fusion method.
2. **Two Bidirectional LSTM Layers** with a hidden size of 256 units. The bidirectional setup improves context understanding by processing the sequence in both forward and backward directions.
3. **Batch Normalization Layer:** applied to the input embeddings to stabilize the learning process and ensure uniform feature distribution.
4. **Dropout Regularization:** various dropout rates (0.3, 0.4, and 0.5) were tested after the LSTM layers to reduce overfitting and improve generalization. A detailed comparison of these options and their impact on model performance will be presented in the experimental results section.
5. **Fully Connected Output Layer:** linear layer projecting the LSTM outputs to the vocabulary size for the final word prediction (the output dimension matches the size of the vocabulary).

## 5. Training Process

The model was trained using a carefully controlled process to ensure stable convergence and avoid overfitting:

### Validation Set:

To ensure a reliable and unbiased evaluation of the model's performance, we implemented a validation split during the training process. The decision to include a validation set was driven by the nature of the task—lyrics generation based on musical context, where generalization to unseen data is crucial for the model's effectiveness. Since the goal was to generate lyrics based on both textual and melodic patterns, it was essential to assess the model's ability to learn not only from the songs it was trained on but also to generalize to new melodies and lyrical structures.

For a relatively small dataset of 593 songs, we chose a 90/10 train-validation split. This decision balances maximizing training data availability while keeping a sufficient portion for validation. A larger split like 80/20 would leave too little data for effective model training.

To validate our choice, we experimented with multiple train-validation splits to find the desired balance between training data availability and validation reliability - This will be further detailed later in the experimental section.

### Loss Function:

The loss function used was **Cross-Entropy Loss**, suitable for multi-class classification tasks where each predicted word is compared against the true word in the sequence.

### Optimizer:

The **Adam** (Adaptive Moment Estimation) optimizer was chosen due to its efficiency and adaptive learning rate adjustments, helping the model converge faster and more reliably. Adam adapting the learning rate individually for each parameter based on the first and second moments of the gradients - this approach helps stabilize the training process, especially in complex models like LSTM-based networks where gradient issues can arise.

The learning rate was set to 1E-3 as an initial choice, balancing the speed of convergence with the risk of overshooting the optimal solution. The optimizer's effectiveness and learning rate were validated through experimentation to ensure stable and efficient model training.

### Batch Size:

We chose a **batch size of 1**, meaning that the model processes and updates its weights after each individual song. This decision was motivated by the nature of the dataset,

where each sample (song) varies in length, both in terms of lyrics and melody features. Using a batch size of 1 allowed the model to handle variable-length sequences without requiring extensive padding, simplifying the data handling process.

Additionally, since the goal is to generate lyrics based on the entire musical structure of a song, training on individual samples ensures that the model focuses on the full context of a single song without interference from other sequences. While batch size 1 can lead to noisier gradients and slower convergence compared to larger batch sizes, it is well-suited for this task where the dataset consists of a limited number of samples (593 songs) and the primary objective is sequence-level learning.

This setup helps the model capture both musical and textual patterns effectively while minimizing data leakage across samples.

#### Batch Normalization:

Batch normalization was applied to the input embeddings before passing them into the LSTM layers. This was done to stabilize the feature distribution, ensuring more consistent gradients during training.

However, batch normalization was not applied directly to the LSTM outputs, as the focus was on normalizing the combined input embeddings and melody features before sequence modelling began.

#### Early Stopping Mechanism:

The model training process included an **early stopping mechanism** to prevent overfitting and optimize the number of training epochs. Early stopping works by monitoring the validation loss at the end of each epoch and stopping the training process once the performance stops improving for a predefined number of consecutive epochs.

The following code from the training loop demonstrates the early stopping approach used:

```
# Check for best validation loss
if avg_val_loss < best_val_loss:
    best_val_loss = avg_val_loss
    patience_counter = 0 # Reset patience when improvement is seen
else:
    patience_counter += 1 # Increase counter if no improvement

# Early stopping condition
if patience_counter >= early_stop_patience:
    print(f"\nEarly stopping triggered after {epoch + 1} epochs.")
    break
```

Training stops if the patience counter reaches a predefined threshold, which was set to 3 epochs.

### Hyperparameter Selection

Hyperparameter values, such as dropout rates, were chosen after grid search experimentation. Dropout rates of 0.3, 0.4, and 0.5 were tested, with 0.5 performing best for the simplified melody representation (Method 2) and 0.3 for the detailed melody representation (Method 3) - This will be further detailed later in the experimental section.

### Enforcing Model Stochasticity

To enforce model stochasticity and ensure reproducibility across all experiments, we used fixed random seeds for all PyTorch operations and controlled the randomness of data loading and augmentation steps.

Additionally, the word generation mechanism incorporates a **sampling-based selection**, where the likelihood of selecting a term is proportional to its probability, rather than always choosing the word with the highest probability.

We also added a temperature variable to this mechanism that allowed us to control the creativity of the model, and through experimentation we chose to use a temperature value of 1.2 (where 0.5 simulates a deterministic choice, similar to choosing the maximum argument).



## 6. Approaches for Integrating Melody Information

To integrate melody features into the RNN model for lyric generation, we implemented two primary approaches based on feature extraction from the MIDI files. These approaches aimed to provide varying levels of musical context to the model while predicting the next word in the lyrics sequence.

The melody integration for the lyrics generation model was handled flexibly within the LyricsDataset class. A **concatenation-based fusion strategy** was used to combine the word embeddings with the extracted MIDI features at each time step. This design allowed varying degrees of musical information to be combined with the textual data for enhanced generation quality.

### **First Approach: Simplified Melody Features**

This approach focuses on a minimal set of musical characteristics derived from the MIDI files. The goal was to provide the model with a high-level understanding of the musical environment without overwhelming it with too many features. The word embedding (300 dimensions) was concatenated with the first six MIDI features, resulting in an input size of 306 dimensions.

Please note: This approach is implemented in the code by Fusion Method 2.

#### **Feature Extraction:**

- **Pitch Range (Normalized):** the range of pitches used during the segment.
- **Note Velocity (Average):** the average loudness of the notes played, normalized between 0 and 1.
- **Instrument Presence (Binary):** representing whether common instruments (e.g., Piano, Drums, Strings) are used in the segment.
- **Note Duration (Average):** average duration of notes played within the segment.
- **Number of Instruments:** count of unique instruments playing at the same time.
- **Drum Presence (Binary):** Indicates whether percussion elements are included in the segment.

#### **Why These Features Were Chosen:**

This feature set was selected to offer a simplified yet informative summary of the musical context:

- Pitch and velocity can influence the emotional tone of the lyrics (e.g., soft melodies for emotional lyrics).
- Instrument presence provides stylistic cues (e.g., drums for energetic lyrics, piano for ballads).
- Simplifying the input helps reduce dimensional complexity and model overfitting risks.

## **Second Approach: Detailed Dynamic Melody Features**

This approach involves a richer set of musical features aimed at capturing detailed temporal variations in the melody. The model receives a more comprehensive representation of the musical structure over time. The word embedding (300 dimensions) was concatenated with a detailed melody representation containing 128 note-level features (piano roll-based features), resulting in an input size of 428 dimensions.

Please note: This approach is implemented in the code by Fusion Method 3.

### **Feature Extraction:**

The 128 features encompass a representation of the piano roll, a matrix-like structure that encodes the activation of all 128 MIDI **pitch classes** (corresponding to musical notes) over time. Each pitch class represents a unique note, from the lowest (MIDI pitch 0) to the highest (MIDI pitch 127), and captures the presence or absence of that note at a given time step.

Beyond the full note data by pitch presence, the features also encode **note velocity**, which captures the intensity (loudness) of each note, and **note duration**, which reflects how long a note is sustained. Additionally, the representation includes **note density**, calculated as the number of active notes within a time segment, and **timing information**, which marks the relative start and end times of notes.

### **Why These Features Were Chosen:**

This feature set was designed to capture a more dynamic and fine-grained musical representation:

- **Pitch Complexity:** Helps the model understand harmonic variations and their potential emotional impact on lyrics.
- **Timing Information:** Assists the model in aligning the rhythm of the lyrics with musical changes.
- **Detailed Instrumental Presence:** Allows the model to respond more sensitively to complex musical patterns.

We hypothesize that this detailed approach enables the model to capture more complex musical patterns, which can be essential for tasks that demand precise synchronization between lyrics and music.

These two selected strategies provided a balance between feature complexity and interpretability, allowing the model to explore both minimal and extensive musical context during lyric generation.

### Additional Tested Approaches and Selection Rationale

During our experimentation, we evaluated four different strategies for integrating melody features with the lyrics embeddings. These included using only the text embedding only without incorporating any melody features (Fusion Method 1) and using all extracted musical features (both general and note-level) with the word embeddings (Fusion Method 4).

After evaluating all four approaches, we selected Fusion Method 2 (6 MIDI features) and Fusion Method 3 (128 MIDI features) for the final model.

These approaches were chosen because they provided a balanced trade-off between feature complexity and model performance. Fusion Method 2 captured basic musical context effectively with minimal computational overhead, while Fusion Method 3 offered a richer representation of the melody, improving the alignment between lyrics and musical patterns.

Fusion Methods 1 and 4 were excluded from the final selection due to the following reasons:

- Fusion Method 1 lacked any melody representation, which limited the model's ability to adapt the lyrics to the musical context.
- Fusion Method 4 included excessive feature complexity, which did not result in a significant performance improvement while increasing the risk of overfitting and the computational overhead.

## 7. Experimental Setup and Hyperparameter Tuning

To evaluate the performance and robustness of the lyrics generation model, we conducted a series of controlled experiments by varying key hyperparameters. This systematic exploration aimed to assess the effect of different configurations on both training stability and model generalization.

### Hyperparameters Tested:

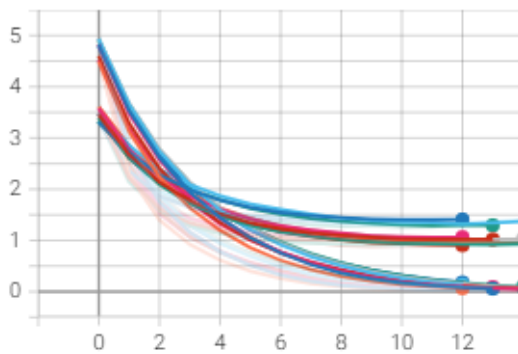
The experiments were designed to evaluate the impact of the following hyperparameters:

#### 1) Fusion Method (Melody Integration Approaches):

- Method 2: Text embeddings + 6 basic MIDI features (306 dimensions).
- Method 3: Text embeddings + 128 detailed MIDI features (428 dimensions).

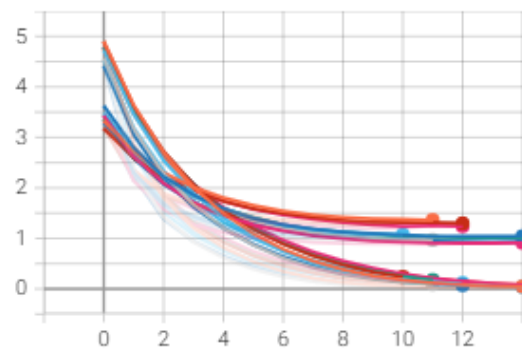
##### Method 2:

Train Loss and Validation Loss  
tag: Train Loss and Validation Loss



##### Method 3:

Train Loss and Validation Loss  
tag: Train Loss and Validation Loss



Despite the visual similarity between the methods, **Method 3** (128 detailed MIDI features) achieved the lowest validation loss, indicating slightly better generalization compared to **Method 2**.

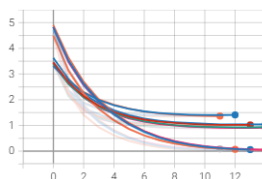
#### 2) Dropout Rates (Regularization Parameter):

- Tested values: 0.3, 0.4, 0.5

Dropout was applied after the LSTM layers to reduce overfitting and improve generalization by randomly zeroing out a fraction of the units.

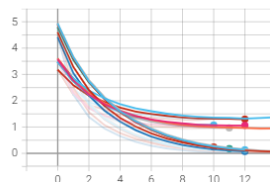
##### 0.3:

Train Loss and Validation Loss  
tag: Train Loss and Validation Loss



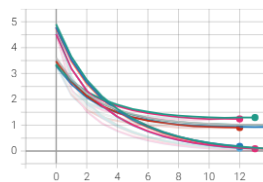
##### 0.4:

Train Loss and Validation Loss  
tag: Train Loss and Validation Loss



##### 0.5:

Train Loss and Validation Loss  
tag: Train Loss and Validation Loss



### 3) Train/Validation Splits:

To evaluate how the model handles varying data availability, we tested three different data splits:

- 80% train / 20% validation
- 90% train / 10% validation
- 99% train / 1% validation

These splits allowed us to observe the model's performance under different validation data availability scenarios, ranging from a balanced split to minimal validation data. Consistently, the 90% train - 10% validation split yielded the best results, providing a reliable balance between sufficient training data and effective validation feedback.

### TensorBoard Integration for Hyperparameter Tracking:

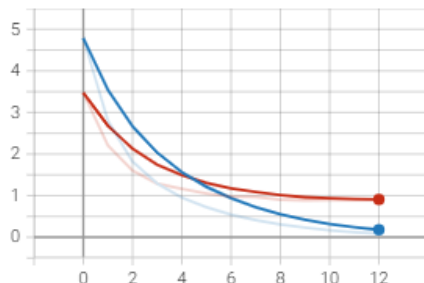
To monitor the training process effectively, we used TensorBoard, which provided real-time visualization on the training and validation loss of the model.

- Training Loss: The average cross-entropy loss per epoch.
- Validation Loss: The average cross-entropy loss on the validation set.

### Best Performing Configurations:

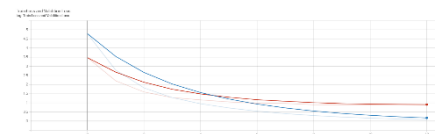
#### For Method 2: (Text embeddings + 6 basic MIDI features)

Train Loss and Validation Loss  
tag: Train Loss and Validation Loss



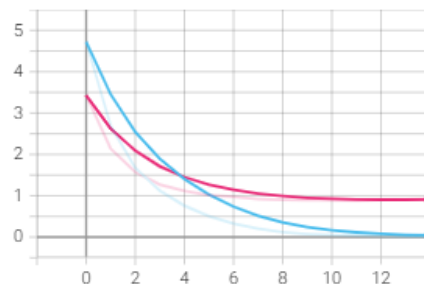
- Dropout = 0.5
- 90% training, 10% validation
- Validation loss: **0.8854**

Higher dropout (0.5) helped control overfitting, leading to better validation loss performance despite limited musical features.



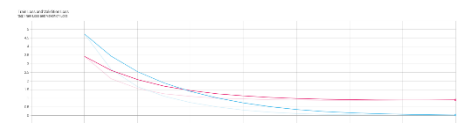
#### For Method 3: (Text embeddings + 128 detailed MIDI features)

Train Loss and Validation Loss  
tag: Train Loss and Validation Loss



- Dropout = 0.3
- 90% training, 10% validation
- Validation loss: **0.8827**

Lower dropout (0.3) allowed the model to leverage the richer melody features, resulting in improved generalization and lower validation loss.



These configurations demonstrated the best balance between regularization and generalization for both simplified and detailed melody representations.

The training phase concluded after validation loss plateaued, with early stopping preventing overfitting. Error curves from TensorBoard show consistent convergence for both models.

Overall, **Method 3** demonstrated slightly better performance, achieving the best overall validation results. This probably attributed to the richer feature set and optimized dropout rate, while **Method 2** also performed well considering the limited features. Both configurations showed a strong balance between regularization and generalization, with Method 3 achieving the best overall validation results.

## **8. Test and Results Analysis**

During the test phase, the model's ability to generate lyrics conditioned on melodies was evaluated using the final trained versions of both architectural variants: **Method 2** (6 MIDI features) and **Method 3** (128 MIDI features).

The goal was to assess how the model performs on unseen data and examine the influence of different initial words and the melody on the generated lyrics.

### **Test Procedure:**

- Input Data: The melody (MIDI file) and the first word of the song.
- The lyrics generation process was initiated based on this initial word and the corresponding musical context.
- Repeated Generation: For each song, the generation process also was repeated three times, each with a different starting word. The same three initial words were used across all test melodies to ensure a fair comparison - Love, Hello, Women.
- Architectural Variants: Each test was performed using both Method 2 and Method 3.

### **Result Limitations:**

The generated songs were constrained to a minimum of 4 words and a maximum of 10 words per line, with the overall length of the song determined by the number of features extracted from the received melody. These constraints were based on the train dataset statistics presented at the beginning of the report.

### **Word Generation Process:**

The word generation was performed autoregressively. Starting from an initial seed word and melody context, the model predicted the next word and iteratively updated the sequence until an end-of-sequence token was generated or the word limit was reached. To avoid deterministic outputs, word sampling was employed where the likelihood of a word being selected was proportional to its predicted probability.

## Results Analysis:

### 1) **Consistency and Song Structure:**

- **Preservation of Familiar Lines:** Both methods often produce segments closely mirroring the source. For instance, in “Eternal Flame”, lines like “close your eyes give me your hand darling” consistently reappear.
- **Near-Identical Outcomes:** Occasionally, outputs from both methods overlap almost verbatim (e.g., “love me love me, say that you love me” in “Lovefool”). This underscores their shared capacity to learn core lyric progressions.
- **Contrasting Words within an Intact Framework:** Sometimes words invert or contradict the original meaning (e.g., “everyone is so miracles” vs. “everyone is so tragedy” for “everyone is so untrue”), but the grammar and overall line structure remain intact.

#### Method 2 Vs. Method 3:

- **Method 2** tends to keep chord/lyric alignment simpler but sometimes repeats phrases.
- **Method 3** brings more varied word choices (e.g., “shallow under day,” “rings flame”), yet still aligns with the melody’s rhythm.

### 2) **Impact of Initial Word Selection:**

**Immediate influence:** The first word (e.g., “love,” “hello,” “women”) often determines the opening thematic or emotional tone.

- **“Love”** typically evokes romantic or emotionally charged lines, aligning neatly with ballad-like songs.
- **“Hello”** introduces a more conversational, greeting-style opening, nudging the emotional direction toward casual or welcoming lines.
- **“Women”** broadens the narrative perspective; however, it can produce less coherent thematic flow in certain songs.

**Repetitive outcomes:** Some words triggered repeated or recurring outputs across multiple runs, reflecting each model’s tendency to latch onto high-correlation tokens.

### 3) **Melody Influence on Generated Lyrics:**

**Rhythmic structure:** Both methods capture the basic tempo or melodic flow.

- **Method 2** tends to lean more on the first word for guiding the thematic direction.
- **Method 3** typically merges both rhythmic and emotional cues more dynamically, resulting in richer lexical variety.

This can lead to stable but somewhat repetitive patterns in the outputs.



Illustrations:

- For "Eternal Flame" (slow ballad):
- Both methods maintain the romantic tone.
- **Method 2** shows more consistency in emotional words ("warm," "burning," "flame").
- **Method 3** has more variation in descriptive words but keeps the melodic structure.
  
- For "Barbie Girl" (upbeat pop):
- Both methods capture the playful rhythm.
- **Method 2** maintains more consistent word patterns.
- **Method 3** shows more experimental word choices while keeping the song's energy.

#### 4) **Pattern Recognition and Contextual Coherence:**

Chorus and Repetitions:

- **Method 2** typically adheres more strictly to repeating core lines (e.g., "*love me love me, say that you love me*" recurring multiple times in "*Lovefool*").
- **Method 3** can either sustain these refrains or occasionally rework them into new permutations, benefiting from deeper melodic data (e.g., "*rings flame,*" "*grace duke*").

#### 5) **Contextual Coherence:**

- **Method 2** typically delivers more thematically consistent verses—likely due to fewer, more targeted MIDI cues.
- **Method 3** shows greater inventive range but can, at times, lose narrative focus in its quest for variety.

#### 6) **Technical Observations:**

##### **- Method 2:**

- Tends toward simpler outputs and more repeated phrases.
- Requires higher dropout ( $\approx 0.5$ ) to resist overfitting due to its smaller feature set.

##### **- Method 3:**

- Yields more expansive, emotive lines (like "*burning an paradise flame,*" "*everyone is so tragedy*").
- Lower dropout ( $\approx 0.3$ ) suffices, as the richer feature set fosters balanced generalization.

**Validation Loss & Creativity:** Method 3 attains slightly lower validation losses overall, indicating better generalization to melodic and lyrical nuances.

## **Conclusion:**

While both methods were effective in generating lyrics synchronized with melody, **Method 3** offered slightly superior performance due to its richer feature set and more balanced dropout rate, allowing for greater lyrical diversity and better melodic reflection.

However, **Method 2** remained valuable for simpler melodic representations where structural consistency is prioritized.

The choice between the two methods ultimately depends on the desired balance between lyrical variation and thematic stability for the specific task.

## Generated lyrics:

### Method 2

```
===== Song 1 =====
Song Name: eternal flame

Artist: the bangles

===== Song 1 =====

close fiend under close your eyes give me your hand darling
do you feel my heart broke
do you understand
do you feel the same
am only dreaming
is this burning an king flame
believe it the meant to be darling
watch you when you are warm
you belong with me
do you feel the same
am only dreaming
or is this park an duke duke
say my name long duke through the rain
another life so lonely
while then you come and along the pain
do not want to find this feeling
```

### Method 3

```
===== Song 1 =====
Song Name: eternal flame

Artist: the bangles

===== Song 1 =====

close
and close your eyes give me your hand darling
do you feel my heart warm
do you understand
do you feel the same
am only dreaming
is this burning an eternal flame
believe it is meant and be darling
watch you when you are sleeping
you belong with me
do you feel the same
am only dreaming
or is this ring an eternal flame
say my name sun shining through the rain
whole life so lonely
and then you come to ease the pain
do not want and lose this feeling
```

## First word: Love

```
===== Song 1 =====

love ventura high close your eyes give me your hand darling
do you feel my heart breaking
do you understand
do you feel the same
am only dreaming
is this burning an gods flash
believe it is who to be darling
watch you when you are sleeping
you belong with me
do you feel the same
am only dreaming
or is this burning an everlasting duke
say my till sun eclipse through the rain
another life so lonely
and then you come and noon the pain
do not want to lose this feeling
```

```
===== Song 1 =====

love hue and close your eyes give me your hand darling
do you feel my heart warm
do you understand
do you feel the same
am only dreaming
is this dancing an eternal flame
believe it is meant and be darling
watch you when you are warm
you belong with me
do you feel the same
am only dreaming
or is this ring an eternal flame
say my name sun shining through the rain
whole life so lonely
and then you come to covered the pain
do not want to lose this feeling
```

## First word: Hello

```
===== Song 1 =====

hello presence life day your touch give me your hand darling
do you feel my heart boogie
do you understand
do you feel the same
am only dreaming
is this burning an grace duke
believe it is meant to be darling
watch you when you are sleeping
you belong with me
do you feel the same
am only dreaming
or is this burning an leaving constant
say my name sun wrapped on the rain
every life so lonely
honestly then you come and raised the pain
do not want to mean this feeling
```

```
===== Song 1 =====

hello and and close your eyes give me your hand darling
do you feel my heart warm
do you understand
do you feel the same
am only dreaming
is this burning an rings flame
believe it is meant and be darling
watch you when you are sleeping
you belong with me
do you feel the same
am only dreaming
or is this ring an ray flame
say my name sun shining through the rain
whole life so lonely
and then you come to side the pain
do not want to lose this feeling
```

## First word: Women

```
===== Song 1 =====

women shallow under day your sing give me your hand darling
do you feel my heart packed
do you understand
do you feel the same
am only shoot
is this burning an everlasting flame
believe it is magic to be darling
watch you when you are sleeping
you change with me
do you feel the same
am only dreaming
or is this burning an one duke
say my name sun falling through the rain
whole life so young
and then you come to place the pain
do not want to lose this feeling
```

```
===== Song 1 =====

women your times close your eyes give me your hand darling
do you feel my heart warm
do you understand
do you feel the same
am only dreaming
is this burning an eternal flame
believe it is meant and be darling
watch you when you are sleeping
you belong with me
do you feel the same
am only dreaming
or is this burning an ray flame
say my name sun shining through the rain
whole life so lonely
and then you come to ease the pain
do not do to lose this feeling
```

## Method 2

===== Song 2 =====  
Song Name: honesty

Artist: billy joel

===== Song 2 =====

if rare myself if you it for feed  
it is not hard and find  
you can have the love you need and live  
but if you look for and  
you might just as been be blind  
it always seems and be so hard to give  
honesty is such lonely why  
everyone is so miracles  
side is none ever heard  
and are what need from you  
can always find someone  
and say they and  
if wear my heart out on my paint  
but do not want some so face  
to tell me pretty lies  
all want is someone and believe  
cat is such lonely word  
everyone is so nevertheless  
honesty is none ever heard  
above poor what need from you  
can find lover  
can find friend  
can have photograph until the half end  
anyone can win me  
with allowed again  
know know  
when am deep inside and me  
do not be too and  
will not ask for nothing while am gone  
but when want respectfully  
tell me where else can turn  
cause you are the or find upon  
gay is such lonely word  
everyone is so untrue  
unspoken is none ever heard  
and slow what need from you

## Method 3

===== Song 2 =====  
Song Name: honesty

Artist: billy joel

===== Song 2 =====

if bearing well if you search for yes  
it is not hard to find  
you can have the love you need and live  
but if you look for and  
you might just as well be blind  
it always seems and be so hard to give  
asking is such lonely word  
everyone is so scheme  
asking is none ever heard  
mable poor what need from you  
can always find someone  
to say they and  
if wear my heart out on my piss  
but do not want some pretty face  
of tell me pretty lies  
all want is someone and believe  
passion is such lonely word  
everyone is so easily  
asking is none ever heard  
yesterday poor what need from you  
can find lover  
can find friend  
can have wide until the shining end  
anyone can comfort me  
with stick again  
know know  
when am deep inside and me  
do not be too and  
will not ask for nothing while am gone  
but when want destroy  
tell me where else can turn  
cause you are the one add upon  
honesty is such lonely word  
everyone is so scheme  
asking is hardly ever heard  
shingalingaling many what need from you

## First word: Love

===== Song 2 =====

love trivial was if you search for beneath  
it is not them and find  
you can have the love you need and live  
but if you look for and  
you might just as well be blind  
it always seems to be so hard to give  
unafraid is such sweet says  
everyone is so wondered  
doin is none ever heard  
~~livez~~ become how need from you  
can always find someone  
we say they and  
if wear my heart out on my telling  
but do not want some pretty face  
to tell me pretty lies  
all want is someone and believe  
blind is such lonely word  
everyone is so miracles  
homework is may ever heard  
evening the what need from you  
can find lover  
can find friend  
can have ~~comehuh~~ until the special end  
anyone can finish me  
with blanket again  
know ~~know~~  
when am deep inside and me  
do not be too and  
will not ask for nothing while am gone  
but when want cause  
tell me where else can turn  
cause you are the one seem to  
learning is such lonely word  
everyone is so known  
courage is even ever heard  
and such what need from you

===== Song 2 =====

love precious read if you search for yea  
it is not hard and find  
you can have the love you need and live  
but if you look for and  
you might just as well be blind  
it always seems and be so hard to give  
asking is such lonely word  
everyone is so tragedy  
asking is hardly ever heard  
yesterday poor what need from you  
can always find someone  
to say they and  
if wear my heart out on my piss  
but do not want some pretty face  
to tell me pretty lies  
all want is someone and believe  
asking is such lonely word  
everyone is so easily  
asking is hardly ever heard  
~~mable~~ poor what need from you  
can find lover  
can find friend  
can have the until the shining end  
anyone can shaking me  
with stick again  
know ~~know~~  
when am deep inside and me  
do not be too and  
will not ask for nothing while am gone  
but when want jive  
tell me where else can turn  
cause you are the one grow upon  
ways is such lonely word  
everyone is so recall  
asking is hardly ever heard  
and poor what need from you

===== Song 2 =====

hello ~~charleston~~ last if you role for beauty  
it is not them and find  
you can have the love you need and live  
but if you look for and  
you might just as well be blind  
it always seems and be so hard to give  
unspoken is showing young word  
everyone is so miracles  
asking is well ever heard  
~~handmedown~~ such how need from you  
can always find someone  
~~uhhuh~~ say they and  
if wear my heart out on my ~~pero~~  
but do not want some pretty face  
~~amyself~~ tell me pretty lies  
all want is someone and believe  
shame is such lonely word  
everyone is so realized  
honesty is calling ever heard  
and showing what need from you  
can find lover  
can find friend  
can have soft until the past end  
anyone can train me  
with listening again  
know ~~know~~  
when am deep inside and me  
do not be too myself  
will not ask for nothing while am gone  
but when want give  
tell me where else can turn  
cause you are the one suffer to  
nuts is only lonely word  
everyone is so miracles  
doctor is none ever heard  
~~colours~~ number what need from you

## First word: Hello

===== Song 2 =====

hello beef women if you search for and  
it is not hard to find  
you can have the love you need and live  
but if you look for to  
you might just as well be blind  
it always seems and be so hard to give  
asking is such lonely word  
everyone is so tragedy  
asking is none ever heard  
and poor what need from you  
can always find someone  
to say they and  
if fear my heart out on my piss  
but do not want some pretty face  
to tell me pretty lies  
all want is someone to believe  
asking is such lonely word  
everyone is so date  
asking is than ever heard  
yesterday poor what need from you  
can find lover  
can find friend  
can have rise until the bright next  
anyone can blind me  
with rush again  
know know  
when am deep inside and me  
do not be too and  
will not ask for nothing while am gone  
but when want mercy  
tell me where else can turn  
cause you are the one grow upon  
asking is such lonely word  
everyone is so recall  
asking is even ever heard  
oohooohoooooo poor what need from you

## First word: Women

===== Song 2 =====

Song Name: honesty

Artist: billy joel

===== Song 2 =====

women cranium feels if you search for hand  
it is not hard and find  
you can have the love you need and live  
but if you look for and  
you might just as well be watching  
it always seems am be so hard and give  
instinctively is such lonely word  
everyone is so even  
sistah is only ever heard  
oohooooo poor what need from you  
can always find someone  
and say they and  
if wear my heart yours on my enjoy  
but do not want only pretty face  
to tell me pretty lies  
all want is someone of believe  
mercy is such lonely word  
everyone is so aware  
mistake is none ever heard  
trouppper finding what need from you  
can find lover  
can find friend  
can have red until the to end  
anyone can apart me  
with quick again  
know know  
when am deep inside and me  
do not be too to  
will not ask for nothing while am gone  
but when want feelings  
tell me where else can turn  
cause you are the one lie to  
honesty is such lonely word  
everyone is so realized  
sonny is none ever heard  
handmedown number what need from you

===== Song 2 =====

Song Name: honesty

Artist: billy joel

===== Song 2 =====

women decent more if you search for ho  
it is not hard and find  
you can have the love you need and live  
but if you look for and  
you might just as well be blind  
it always seems and be so hard to give  
asking is such lonely word  
everyone is so scheme  
asking is none ever heard  
to poor what need from you  
can always find someone  
to say they and  
if wear my heart out on my piss  
but do not want many pretty face  
to tell me pretty lies  
all want is someone and believe  
asking is such lonely word  
everybody is so matter  
asking is ones ever heard  
and poor what need from you  
can find lover  
can find friend  
can have rise until the shining next  
anyone can strange me  
with stick again  
know know  
when am deep inside and me  
do not be too and  
will not ask for nothing while am gone  
but when want rap  
tell me where else can turn  
cause you are the one grow upon  
ways is such lonely word  
everyone is so tragedy  
asking is hardly ever heard  
to poor what need from you



## Method 2

```
===== Song 3 =====  
Song Name: lovefool  
  
Artist: cardigans  
  
===== Song 3 =====  
  
dear passport and dear wear we are wasted trapped  
you love me no once know  
shalalala maybe there is nothing  
that can do your make you do  
mama tells you should not bother  
that ought and throw and another man  
man that surely easily me  
but think you do  
so cry pray and beg  
love me love me  
say that you love me  
fool me fool me  
go on and fool me  
love me love me  
knows that you love me  
leave me leave me  
just say that you need me  
love me love me  
say that you love me  
leave me leave me  
just say that you need me  
can not care bout anything but you  
lots have kill and  
wind my nights whisper and wonder  
what could have done in another way  
each make you stay  
reason will not lead and sense  
will end up lost in confusion  
do not care if you really care  
as long as you do not go  
so cry pray and pray  
love me love me  
say that you love me  
fool me fool me  
go on to fool me  
love me love me  
pretend that you love me  
leave me leave me  
just say that you need me  
so cry and pray for you and  
love me love me  
say that you love me  
leave
```

## Method 3

```
===== Song 3 =====  
Song Name: lovefool  
  
Artist: cardigans  
  
===== Song 3 =====  
  
dear  
once dear wear we are lost even  
you love me no nothing know  
to maybe there is nothing  
that can do to make you do  
mama knowing me should not bother  
that ought and stick to another man  
man that surely hurting me  
but think you do  
so cry pray to beg  
love me love me  
say that you love me  
fool me adore me  
go on and fool me  
love me love me  
pretend that you love me  
leave me leave me  
just say that you need me  
love me love me  
say that you love me  
leave me leave me  
just say that you need me  
can not care bout anything but you  
lately have god and  
spent my breaking car of wonder  
what could have done in another way  
yesterday make you stay  
reason will not hook of dealing  
will end up lost in confusion  
do not care if you really care  
as long as you do not go  
so cry fool and beg  
love me love me  
say that you love me  
fool me fool me  
go on and fool me  
love me love me  
pretend that you love me  
leave me leave me  
just say that you need me  
so cry and pray for you and  
love me love me  
say that you love me  
leave
```

===== Song 3 =====

love hoodlum be my repeat we are draw succeed  
 you love me no nothing know  
 abahaha maybe there is nothing  
 that can do and make you do  
 mama hug me should not bother  
 that ought and fill and another man  
 man that surely wishing me  
 but think you do  
 so cry talk and taught  
 love me love me  
 say that you love me  
 fool me fool me  
 go on and fool me  
 love me love me  
 knows that you love me  
 leave me leave me  
 just say that you need me  
 love me love me  
 say that you love me  
 leave me leave me  
 just say that you need me  
 can not care bout anything but you  
 lately have feelings and  
 wind my saw laughing and wonder  
 what could have done in another way  
 to make you stay  
 reason will not lovers to handle  
 will end up cut in bangbang  
 do not care if you really care  
 as long as you do not go  
 so sing fool and beg  
 love me love me  
 say that you love me  
 fool me fool me  
 go on and fool me  
 love me love me  
 pretend that you love me  
 leave me leave me  
 just say that you need me  
 so cry and pray for you and  
 love me love me  
 say that you love me  
 leave

First word: Love

===== Song 3 =====

love ~~eightpiece~~ even dear wear we are staying cause  
 you love me no nothing know  
 to maybe there is nothing  
 that can do to make you do  
 mama knowing me should not bother  
 that ought and stick to another man  
 man that surely hurting me  
 but think you do  
 so cry pray to beg  
 love me love me  
 say that you love me  
 fool me fool me  
 go on and fool me  
 love me love me  
 pretend that you love me  
 leave me leave me  
 just say that you need me  
 love me love me  
 say that you love me  
 leave me leave me  
 just say that you need me  
 can not care bout anything but you  
 lately have dumb and  
 spent my saw eyes and wonder  
 what could have done in another way  
 to make you stay  
 reason will not pass of fit  
 will forward up lost in confusion  
 do not care if you really care  
 as long as you do not go  
 so cry pray and beg  
 love me love me  
 say that you love me  
 fool me fool me  
 go on and fool me  
 love me love me  
 pretend that you love me  
 leave me leave me  
 just say that you need me  
 so cry and pray for you and  
 love me love me  
 say that you love me  
 leave

First word: Hello

===== Song 3 =====

hello ~~eyez~~ and dear wear we are grow speak  
 you love me no nothing know  
 and everyone there is nothing  
 that can do is make you do  
 mama tells me should not bother  
 that ought and fill to another man  
 man that surely sometimes me  
 but think you do  
 so cry pray and beg  
 love me love me  
 say that you love me  
 fool me fool me  
 go on and fool me  
 love me love me  
 knows that you love me  
 leave me leave me  
 just say that you need me  
 love me love me  
 say that you love me  
 leave me leave me  
 just say that you need me  
 can not care shelter anything but you  
 lately have feelings and  
 part my saw strangers and wonder  
 what could have done in another way  
~~grady~~ make you stay  
 reason will not lead to compute  
 will end up cut in much  
 do not care if you really care  
 as long as you do not go  
 so smile talk and else  
 love me love me  
 say that you love me  
 fool me fool me  
 go on and fool me  
 love me love me  
 knows that you love me  
 leave me leave me  
 just say that you need me  
 so cry and pray for you and  
 love me love me  
 say that you love me  
 leave

===== Song 3 =====

hello  
 as tight wear we are forgotten voices  
 you love me no nothing know  
 bebopalula maybe there is nothing  
 that can do to make you do  
 motherfucker wondering me should not bother  
 that ought and clean to another man  
 man that surely grow me  
 but think you do  
 so cry pray to beg  
 love me love me  
 say that you love me  
 fool me forgive me  
 go on and fool me  
 love me love me  
 pretend that you love me  
 leave me leave me  
 just say that you need me  
 love me love me  
 say that you love me  
 leave me leave me  
 just say that you need me  
 can not care bout anything but you  
 lately have god and  
 energy my rock awake and wonder  
 what could have done in another way  
 to make you stay  
 reason will not lead of boil  
 will end up lost in confusion  
 do not care if you really care  
 as long as you do not go  
 so cry pray to beg  
 love me love me  
 say that you love me  
 fool me fool me  
 go on and fool me  
 love me love me  
 pretend that you love me  
 leave me leave me  
 just say that you need me  
 so cry and pray for you and  
 love me love me  
 say that you love me  
 leave



## First word: women

===== Song 3 =====

women solutions why my fool we are cast doubt  
you love me no nothing know  
~~bebopalula~~ maybe there is nothing  
that can do to make you do  
mama telling me should not pretend  
that ought and beware and another man  
man that surely ought me  
but think you do  
so cry pray and beg  
love me love me  
say that you love me  
fool me fool me  
go on and fool me  
love me love me  
grieve that you love me  
leave me leave me  
just say that you need me  
love me love me  
say that you love me  
leave me leave me  
just say that you need me  
can not care bout anything but you  
far have friendship and  
rose my saw smiling and wonder  
what could have done in another way  
~~playette~~ make you stay  
reason will not feed to read  
will end up lost in shows  
do not care if you really care  
as long as you do not go  
so cry talk and beg  
love me love me  
say that you love me  
fool me fool me  
go on and fool me  
love me love me  
pretend that you love me  
leave me leave me  
just say that you need me  
so cry to pray for you and  
love me love me  
say that you love me  
leave

===== Song 3 =====

women  
even tight wear we are losing care  
you love me no nothing know  
~~bailamos~~ maybe there is nothing  
that can do to make you do  
mama knowing me should not bother  
that ought and stick and another man  
man that surely hurting me  
but think you do  
so cry turn and beg  
love me love me  
say that you love me  
fool me fool me  
go on and fool me  
love me love me  
pretend that you love me  
leave me leave me  
just say that you need me  
love me love me  
say that you love me  
leave me leave me  
just say that you need me  
can not care bout anything but you  
lately have often and  
spent my breaking awake of wonder  
what could have done in another way  
to make you stay  
reason will not lead to dealing  
will end up lost in confusion  
do not care if you really care  
as long as you do not go  
so cry fool and beg  
love me love me  
say that you love me  
fool me adore me  
go on and fool me  
love me love me  
pretend that you love me  
leave me leave me  
just say that you need me  
so cry and pray for you and  
love me love me  
say that you love me  
leave

## Method 2

```
===== Song 4 =====  
Song Name: barbie girl  
  
Artist: aqua  
  
===== Song 4 =====  
  
hiya doodoo he mable of  
mmmm  
do you want to go for ride  
sure to  
tomorrows in  
am and girl in of world  
life in food it is nice  
you can rules my hair and me everywhere  
freedom life is your gaining  
come on and let go party  
am and girl in by world  
life in providence not is nice  
you can freedom my hair and me like  
aah life is your being  
am ow and girl in ride world  
bend me up make it dove am your of  
you are my doll of feel the record in blue  
kiss me here touch me there and and  
you can touch  
you can play  
if you say am always yours  
am and girl in of world  
life in half it is great  
you can pony my promise and me everywhere  
skill life is your common  
come on and let go rock ah ah ah yeah  
come on and let go party oh oh  
come on and let go party ah ah ah yeah  
come on and let go party oh oh  
make me walk make me talk do whatever you please  
can act like pop can beg on my hi  
come ride in and friend let us do it again  
hit the fire fool around let go party  
you can touch  
you can play  
if you say am always yours  
you
```

## Method 3

```
===== Song 4 =====  
Song Name: barbie girl  
  
Artist: aqua  
  
===== Song 4 =====  
  
hiya your and men only  
hi amadeus  
do you want to go for ride  
sure and  
clean in  
am and girl in and world  
life in of it is felt  
you do vows my hair and me everywhere  
hum life is your by  
come on and let go snow  
am and girl in and world  
life in of it is hot  
you can surrender my hair and me everywhere  
oceans life is your original  
am coz and girl in fantasy world  
dress me up make it tight am your and  
you are my venus and feel the blue in blue  
kiss me here touch me there and and  
you can touch  
you can play  
if you say am always yours  
am and girl in and world  
life in of it is felt  
you can flying my hair and me everywhere  
smoking life is your by  
come on and let go party ah ah ah yeah  
come on and let go party oh oh  
come on and let go party ah ah ah yeah  
come on and let go party oh oh  
make me walk make me talk do whatever you please  
can act like star can bye on my mic  
come walking in and friend let us do it again  
hit the town fool around let go party  
you can touch  
you can play  
if you say am always  
you
```

## First word: Love

```
===== Song 4 =====  
  
love naxis or body cordell  
hi me  
do you want to go for ride  
sure to  
jump in  
am and night in is world  
life in controlling it is hungry  
you can hopes my hair and me everywhere  
thump life is your receiving  
come on medo let go band  
am and girl in of world  
life in dew it is nice  
you can aim my hair and me count  
superman one is your controlling  
am clown of girl in ride making  
touch me up make it driving am your to  
you are my cake and feel the fourth in gray  
kiss me here touch me there and and  
you can touch  
you can play  
if you say am always yours  
am and girl in and world  
life in confusion it is nice  
you can own my hair and me everywhere  
sex life is your the  
come on to let go party ah ah ah yeah  
come on to let go party oh oh  
come on her let go tender ah ah ah yeah  
come on and let go dance oh oh  
make me walk make me talk do might you please  
can act like star can beg on my knees  
come ride in and friend let us do it again  
hit the party talking around let go party  
you can touch  
you can play  
if you say am always yours  
you
```

```
===== Song 4 =====  
  
love now more men cordell  
hi gitchi  
do you want to go for ride  
sure and  
jump in  
am and girl in and world  
life in of it is felt  
you can vows my hair and me everywhere  
bone life is your created  
come on and let go party  
am and girl in and world  
life in of it is felt  
you can tie my breath and me everywhere  
bone life is your bearing  
am coz and girl in fantasy world  
dress me up make it tight am your and  
you are my bop to feel the blue in broadway  
kiss me here touch me there and and  
you can touch  
you can play  
if you say am always  
am and girl in and world  
life in of it is felt  
you can hook my hair and me everywhere  
hum life is your by  
come on and let go party ah ah ah yeah  
come on and let go party oh oh  
come on and let go party ah ah ah yeah  
come on to let go snow oh oh  
make me walk make me talk do something you please  
can act like star can beg on my knees  
come walking in and friend let us do it again  
hit the town fool around let go snow  
you can touch  
you can play  
if you say am always  
you
```

===== Song 4 =====

hello wo hmm gitchi gitchi  
hi gitchi  
do you want to go for ride  
sure and  
jump in  
am and girl in of world  
life in became it is nice  
you can hopes my hair and me everywhere  
religion life is your controlling  
come on and let go party  
am and girl in of world  
life in reflecting it is nice  
you can do my hair and me everywhere  
sigh life is your only  
am ah and girl in middle world  
bend me up make it tight am your of  
you are my cat to feel the spirit in of  
softly me here touch me there and and  
you can touch  
you can play  
if you say am always yours  
am and girl in of world  
life in half it is tough  
you can rights my hair and me everywhere  
freedom life is your such  
come on and let go tender ah ah ah yeah  
come on and let go tender oh oh  
come on and let go party ah ah ah yeah  
come on and let go party oh oh  
make me walk make me talk do gonna you please  
can act like star can beg on my knees  
come ride in and friend let us do it again  
hit the town fool around let go party  
you can touch  
you can play  
if you say am always yours  
you

First word: Hello

===== Song 4 =====

hello lobby well men cordell  
hi gitchi  
do you want to go for ride  
sure and  
clean in  
am and girl in to world  
life in of it is hot  
you can tie my hair and me everywhere  
smoking life is your original  
come on and let go star  
am and girl in and world  
life in of it is felt  
you can escape my hair and me everywhere  
bone life is your by  
am coz and girl in fantasy world  
dress me up make it tight am your and  
you are my lover and feel the blue in bop  
kiss me here touch me there and and  
you can touch  
you can play  
if you say am always yours  
am and girl in and world  
life in december it is hot  
you can seal my hair and me everywhere  
blinded life is your holding  
come on and let go fighting ah ah ah yeah  
come on and let go party oh oh  
come on of let go party ah ah ah yeah  
come on to let go snow oh oh  
make me walk make me talk do whatever you please  
can case like star can beg on my mic  
come moving in and friend let us do it again  
hit the town fool around let go snow  
you can touch  
you can play  
if you say am always  
you

First word: women

===== Song 4 =====

women artist he human course  
hi gitchi  
do you want to go for ride  
sure and  
fantasy in  
am and girl in bethlehem world  
life in carrying it is great  
you can rights my hair and me everywhere  
shame life is your only  
come on and let go party  
am and girl in of world  
life in known it is nice  
you can flown my hair and me everywhere  
shame life is your controlling  
am christmas and girl in ride world  
dress me up make it burning am your to  
you are my goodness and feel the beauty in stone  
kiss me here touch me there and and  
you can touch  
you can play  
if you say am always yours  
am and girl in of world  
life in lolhere it is nice  
you can hopes my hair and me everywhere  
unspoken life is your am  
come on and let go party ah ah ah yeah  
come on and let go party oh oh  
come on and let go party ah ah ah yeah  
come on and let go party oh oh  
make me walk make me talk do whatever you please  
can act like star can beg on my cos  
come ride in and friend let us do it again  
hit the ring fool around let go party  
you can touch  
you can play  
if you say am real yours  
you

===== Song 4 =====

women parris and men more  
hi amadeus  
do you want to go for ride  
sure of  
clean in  
am and girl in and world  
life in of it is felt  
you can tie my hair and me everywhere  
blinded moment is your holding  
come on and let go snow  
am and girl in and world  
life in of it is hot  
you can seal my hair and me everywhere  
bone life is your by  
am laughter and girl in fantasy world  
dress me up make it tight am your and  
you are my lover and feel the fever in venus  
kiss me here touch me there and and  
you can promise  
you can play  
if you say am always  
am and girl in and world  
life in counts it is hot  
you can tie my hair and me everywhere  
blinded life is your receiving  
come on and let go party ah ah ah yeah  
come on to let go sailing oh oh  
come on and let go party ah ah ah yeah  
come on and let go stormy oh oh  
make me walk make me talk do whatever you please  
can act like star can beg on my hi  
come clean in and friend let us do it again  
hit the town fool around let go party  
you can touch  
you can play  
if you say am always  
you

## Method 2

===== Song 5 =====  
Song Name: all the small things

Artist: blink 182

===== Song 5 =====

all wont oh these the small things  
true care die takes  
will take one shake  
your fill best second  
always know  
you will be at my show  
watching waiting and  
say it are not so will not go  
turn the lights down carry me home  
vita diddley di wo  
moi un wo el que te que wo el el es  
late night come home  
work nice know  
she left me body by the bottle  
playette let me know she cares  
say it are not so will not go  
turn the lights him carry me home  
mary dee di la  
ce que that que di di un dee que un ho  
say it are not so will not go  
turn the lights onto carry me home  
keep your head still will be your thrill  
the into will go on my little was  
say it are not so will not go  
turn the lights off carry me home  
keep your head still will be your thrill  
the night will go on  
the night will go on  
my little and

## Method 3

===== Song 5 =====  
Song Name: all the small things

Artist: blink 182

===== Song 5 =====

all ooh now all the top things  
true care truth turning  
will take one spin  
your ride best went  
always know  
you will be at my show  
watching waiting and  
say it are not so will not go  
turn the lights off carry me home  
bailamos te te te  
te el te te te chico di el di chico te  
late night come home  
work feels know  
she left me and by the stairs  
and let me know she cares  
say it are not so will not go  
turn the lights off carry me home  
amor te te te  
bailamos te te te te te te el te el te  
say it are not so will not go  
turn the lights off stand me home  
keep your head still will be your thrill  
the night will go on my little and  
say it are not so will not go  
turn the stranger off carry me home  
keep your head still will be your thrill  
the night will go on  
the night will go on  
my little and

## First word: Love

===== Song 5 =====

love facsimile distance all the small things  
true mean truth made  
will take one surrender  
your ride without second  
always know  
you will be at my show  
watching waiting and  
say it are not so will not go  
turn the lights onto draw me home  
kim te es my  
ser ser wo di el te en di daa es mr  
late night come home  
work easy know  
she left me and by the stairs  
attack let me know she cares  
say it are not so will not go  
turn the lights onto carry me home  
gees de wo chaka  
di que el un quiero la dee te noche te que  
say it are not so will not go  
turn the lights off carry me home  
keep your head still will be your loneliness  
the night will go on my little and  
say it are not so will not go  
turn the lights off carry me home  
keep your head still will be your thrill  
the night will go on  
the night will go on  
my little and

===== Song 5 =====

love kit or all the nine things  
true care truth losing  
will take one dust  
your ride best went  
always know  
you will be at my show  
watching waiting and  
say it are not so will not go  
turn the lights off stand me home  
te te te te  
bailamos te te te te te te la te te te  
late night come home  
work sucks know  
she left me and by the stairs  
and let me know she ashamed  
say it are not so will not go  
turn the lights off stand me home  
te wo te te  
te te sueno te al sueno te te te te el  
say it are not so will not go  
turn the lights off carry me home  
keep your head still will be your thrill  
the close will go on my little and  
say it are not so will not go  
turn the lights down carry me home  
keep your head still will be your thrill  
the night will go on  
the night will go on  
my little and



## First word: Hello

===== Song 5 =====

hello accidentally he these the reaching things  
true care wonder takes  
will take one cast  
your ride best his  
always know  
you will be at my show  
watching waiting and  
say it are not so will not go  
turn the lights down carry me home  
na ba en ho  
de que te que que que amor el tengo que chaka  
late night come home  
work easy know  
she left me and by the kissed  
to let me know she figured  
say it are not so will not go  
turn the lights onto carry me home  
that dee que  
spears que te chaka que te te que chaka una di  
say it are not so will not go  
turn the lights onto carry me home  
find your head still will be your thrill  
the night will go on my little and  
say it are not so will not go  
turn the lights off stays me home  
keep your head still will be your thrill  
the night will go on  
the night will go on  
my little and

===== Song 5 =====

hello coonskin much all the key things  
true care truth turning  
will take one share  
your ride best trip  
always know  
you will be at my show  
watching waiting and  
say it are not so will not go  
turn the lights off carry me home  
was te dee te  
te te sueno el te dee te el te el la  
late night come home  
work feels know  
she left me and by the stairs  
and let me know she cares  
say it are not so will not go  
turn the lights off build me home  
wo wo te te  
te te wo te da la sueno di te te el  
say it are not so will not go  
turn the lights off stand me home  
keep your head still will be your thrill  
the night will go on my little and  
say it are not so will not go  
turn the lights off carry me home  
keep your began still will be your thrill  
the night will go on  
the night will go on  
my little and

## First word: women

===== Song 5 =====

women bono where all the passed things  
true mean reason lies  
will take one beat  
your ride best second  
always know  
you will be at my show  
watching waiting and  
say it are not so will not go  
turn the lights into turn me home  
ha conconcon chaka di  
que alies amor di di que que es wo wo es  
late night come back  
work each know  
she left me and by the mic  
and let me know she glad  
say it are not so will not go  
turn the lights down carry me home  
en her di we  
marc ser na amor te dee quiero and di wo chaka  
say it are not so will not go  
turn the lights down carry me home  
keep your lies still will be your thrill  
the night will go on my little and  
say it are not so will not go  
turn the lights onto carry me home  
keep your this still will be your thrill  
the night will go on  
the night will go on  
my little to

===== Song 5 =====

women anytime people all the nine things  
true care truth losing  
will take one round  
your ride best went  
always know  
you will be at my show  
watching waiting and  
say it are not so will not go  
turn the lights off carry me home  
te la te te  
te di te te te la te chico sueno te te  
late night come home  
work gets know  
she left me and by the stairs  
and let me know she cares  
say it are not so will not go  
turn the lights off hold me home  
wo te te te  
noche te te sueno te te amor di sueno la te  
say it are not so will not go  
turn the lights off carry me home  
keep your head still will be your thrill  
the night will go on my little and  
say it are not so will not go  
turn the lights off carry me home  
keep your head still will be your thrill  
the night will go on  
the night will go on  
my little and