

# Children's Music Recommendation

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<https://github.com/ncchenmn/Project-Proposal>

# Project Goals

- Recommend children's songs that are "suitable" (age-appropriateness, learning objectives, etc.)
- Investigate the relationship between songs and the ages of targeted listeners.

# Datasets

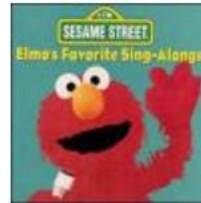
- Common Sense Media: Age-appropriateness ratings for music albums



🎵 Dangerously in Love

✓ age 15+ ★★★★★

In her first solo album, Beyoncé flaunts it.  
By Beyoncé Knowles (2003)



🎵 Elmo's Favorite Sing-Alongs

✓ age 2+ ★★★★★

Lively songs and dances, plus cute conversations.  
By Sesame Street (1995)

- Genius API: Lyrics for 14,600+ songs.

# Lyrics Data Analysis (Lyrics VS Age Group)

- Lyrics Features: numbers of words, average words lengths, lexical diversity.
- Age Groups: Toodler (2~3), Preschooler (4~5), Middle Childhood 1 (6~8), Middle Childhood 2 (9~11), Young Teen(12~14), Teenager (15~17), Adults (>17)

