Children's Music Recommendation
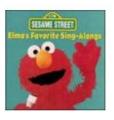
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Project Goals

- 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, Beyonce flaunts it.

By Beyonce 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 density.

- Age Groups: Toodler (2~3), Preschooler (4~5), Middle Chilldhood 1 (6~8), Middle Chilldhood 2 (9~11), Young Teen(12~14), Teenager (15~17), Adults (>17)