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

• (1) Common Sense Media: Age-appropriateness ratings for music albums









- (2) Genius API: Song lyrics.
- (1) & (2) => 14,500 songs with lyrics and age-appropriateness ratings.

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)

