Root Motion Syntax Advantages

- Does not need to distinguish between modal interpretations.
- Rock music’s frequent mode mixture and harmonic/melodic divorce mean that chord quality does not necessarily cue expectations for chord syntax (Temperley, 2007).
- The guitar affords easy transpositions of stock chord progressions, which can be measured by chord root intervals without respect to a diatonic frame of reference. (Yim, 2012)

Methodology

Use smaller corpus to find root motion schemas:
- Used the Temperley and de Clercq RS200 (V2.1), N = 194
- Convert text files to **kern (Huron, 1994)
- Extract root motion in ascending half steps
- Direction of root motion does not matter, only movement in pitch class space
- Find cumulative sum of two note interval patterns -> three note chord sequences
- Extract schemas based on distributional properties within the corpus
- Expand to McGill Billboard Corpus, N = 710

Given 5, Subsequent Intervals

Analysis Discrepancies