

**ZMATH 2011c.00893**

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**“Born to run” - chi-square tests: Mathematics in music.**

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From the introduction: If everyone writes differently, then songwriters should be no exception. For example, Bruce Springsteen’s writing style is probably different from Michael Jackson’s. And, one could use, say, the relative frequency of letters in their song lyrics to show their possible similarities or more probable differences. In this brief note, we compare letter frequencies (as well as the frequencies of vowels and consonants) in Bruce Springsteen’s Greatest Hits album and Michael Jackson’s Thriller album.

*Classification:* M80 K70 A20

*Keywords:* recreational mathematics; music; mathematics and language; linguistics; frequency; descriptive statistics