TEST

TEST

Historical Shifts in the Rhythmic Organization of Popular Music: A Corpus Study of Meter in R&B

Trevor de Clercq



Music and Discourse Series
Belmont University
March 13, 2024

I. Meter in Popular Music, generally

I. Meter in Popular Music, generally

II. History of Meter in R&B Music, specifically



JANE PIPER CLENDINNING | ELIZABETH WEST MARVIN

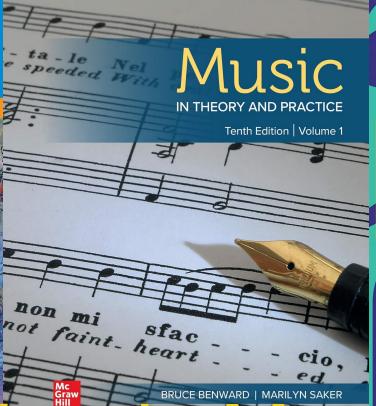


HARMONY

AN INTEGRATED APPROACH TO Theory, analysis, and listening

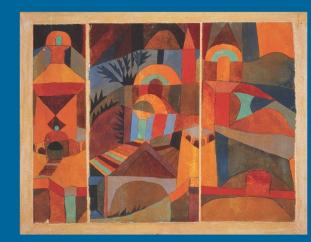


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ations Mete

in **CONTEXT**



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TONAL

With an Introduction to Post-Tonal Music



Duple meter

Triple meter

Quadruple meter

• Duple meter 4 8 2

• Triple meter 4 8 8

• Quadruple meter 4 8

Beats in Bar

	Duple	Triple	Quadruple
Simple	2 4	3 4	44
Compound	6 8	98	12 8

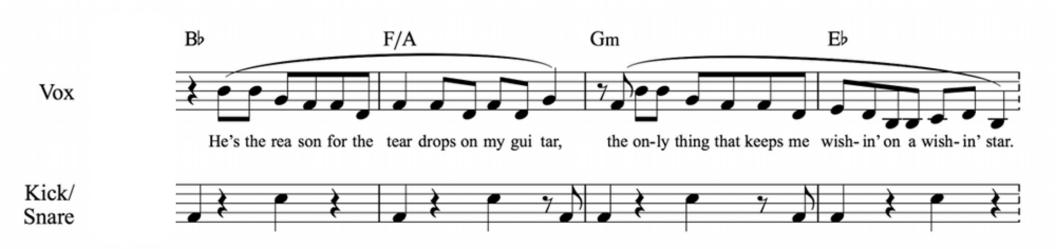


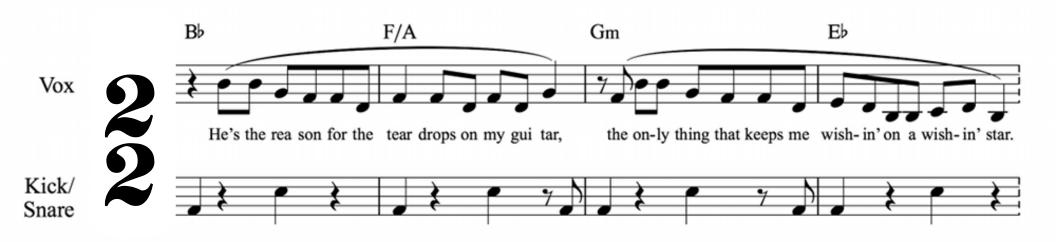
~ 100 BPM



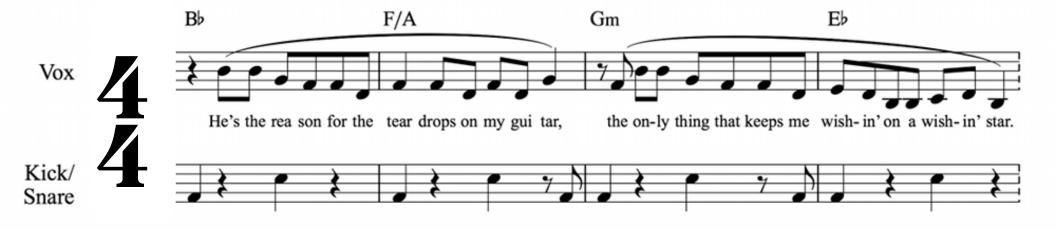
"pop" version

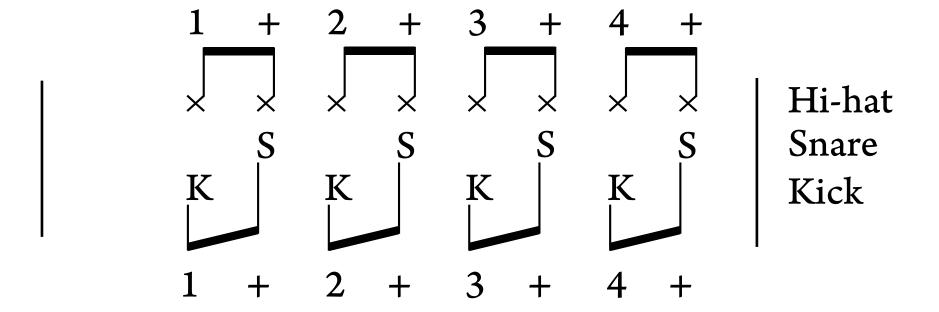
~ 100 BPM

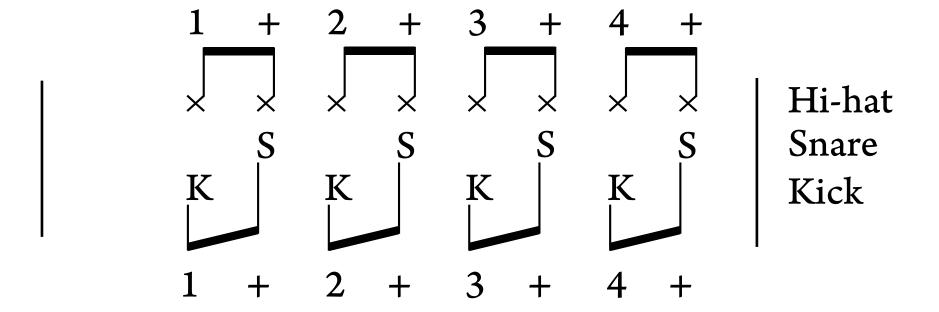


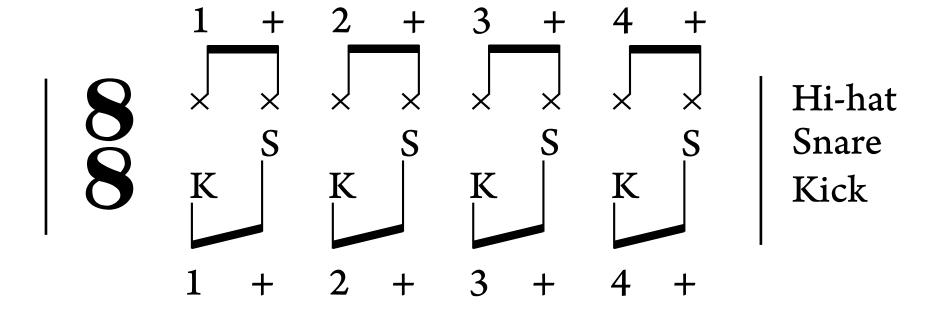


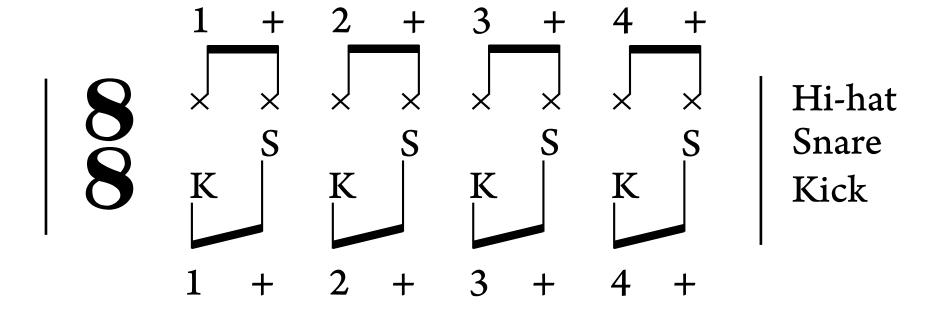
HALF-TIME FEEL

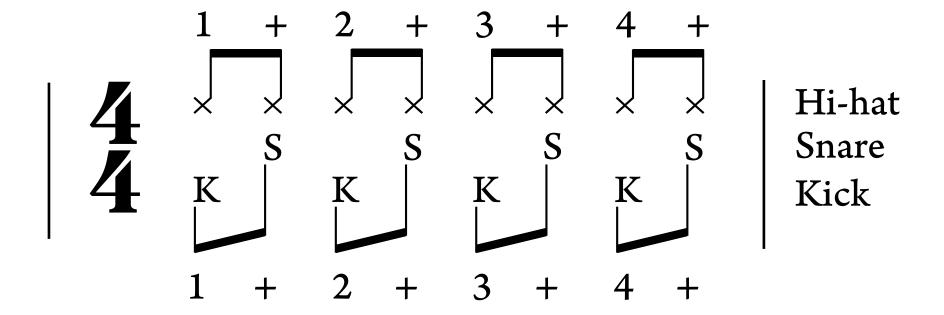


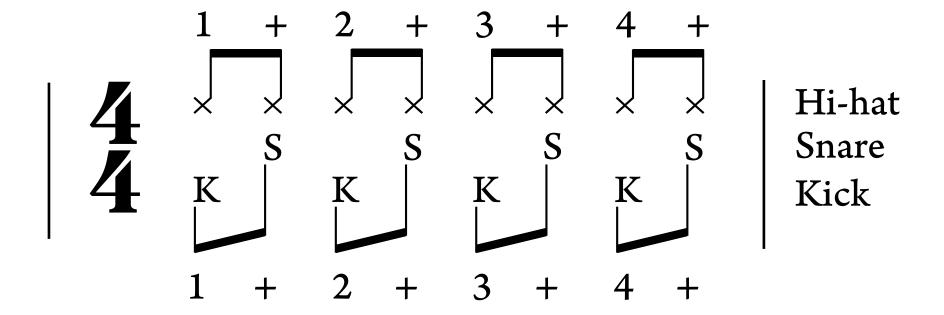












"Higher Ground" (Stevie Wonder 1973)

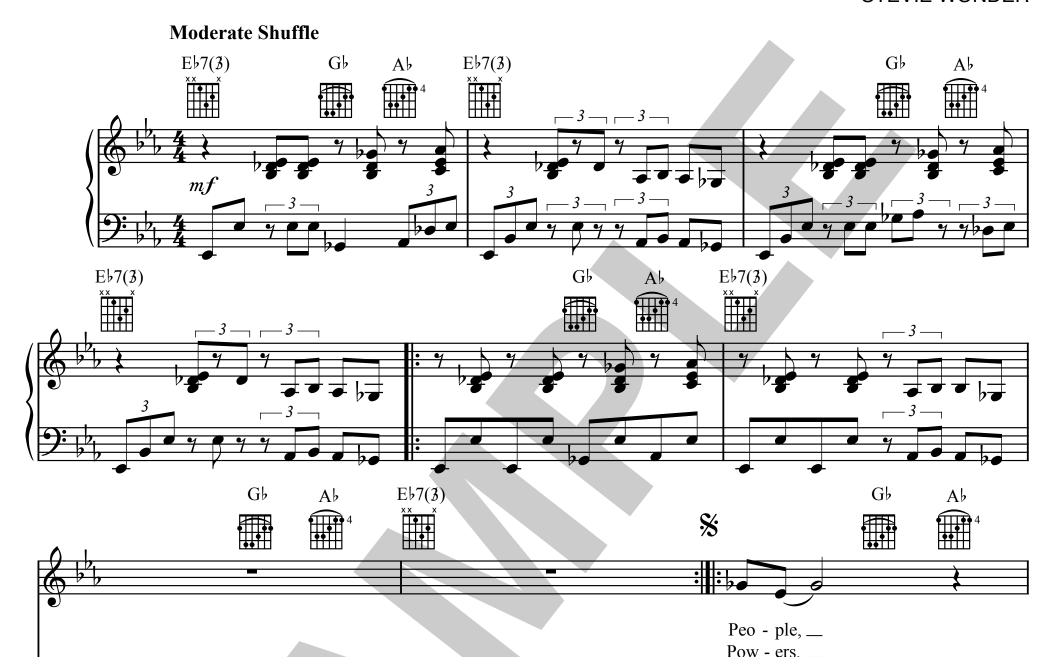
"Higher Ground" (Stevie Wonder 1973)

"Higher Ground" (Stevie Wonder 1973)

12?

HIGHER GROUND

Words and Music by STEVIE WONDER



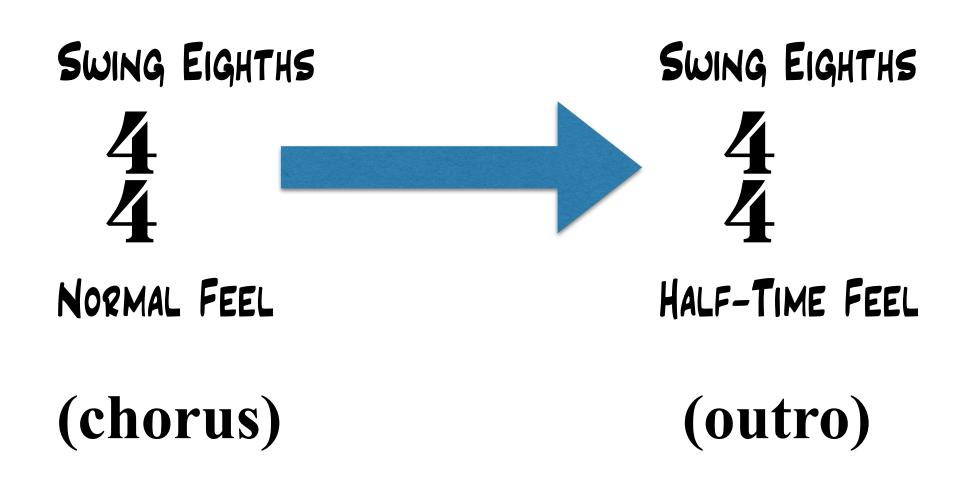
"Girl They Won't Believe It" (Joss Stone 2007)

SWING EIGHTHS (HARD SWING)

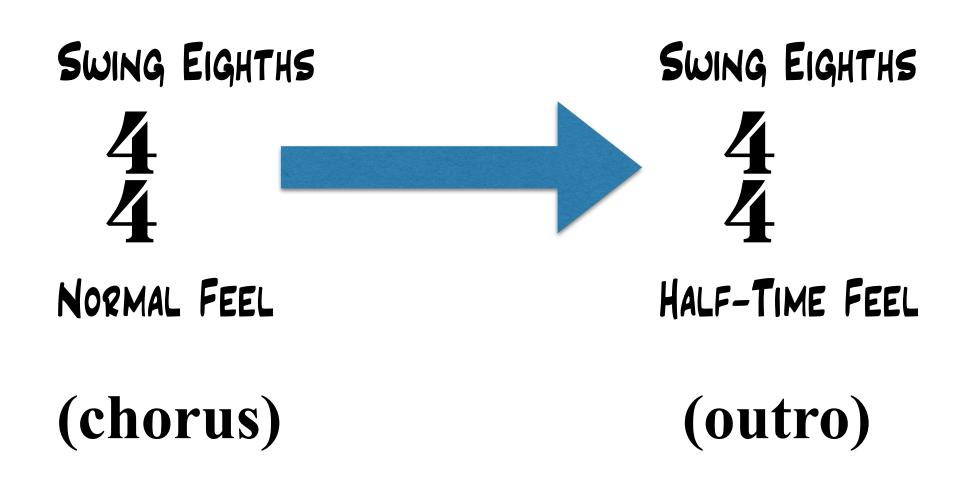
"Girl They Won't Believe It" (Joss Stone 2007)

SWING EIGHTHS (HARD SWING)

"Chuck E.'s in Love" (Rickie Lee Jones 1979)



"Chuck E.'s in Love" (Rickie Lee Jones 1979)



"Poison" (Bell Biv DeVoe 1990)

4 4 NORMAL FEEL

"Poison" (Bell Biv DeVoe 1990)

4 4 NORMAL FEEL

"Poison" (Bell Biv DeVoe 1990)

SWING SIXTEENTHS

4 4

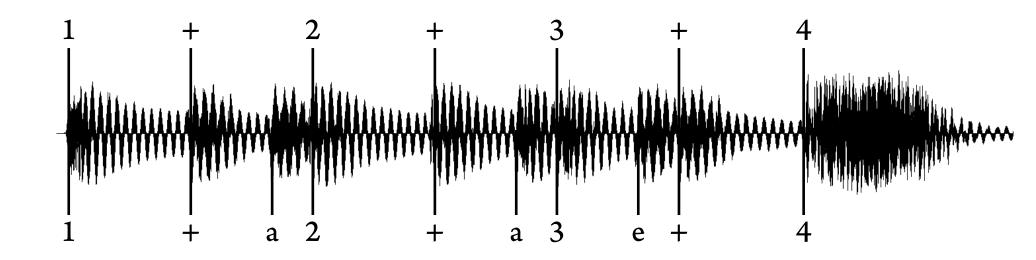
NORMAL FEEL

"Poison" (Bell Biv DeVoe 1990)

SWING SIXTEENTHS

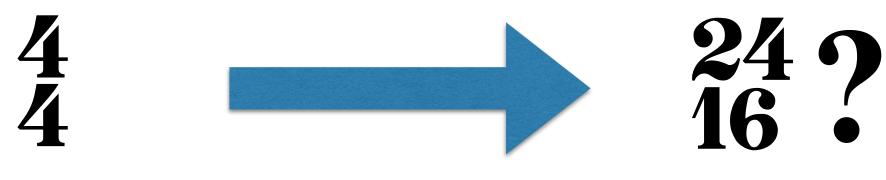
44

NORMAL FEEL

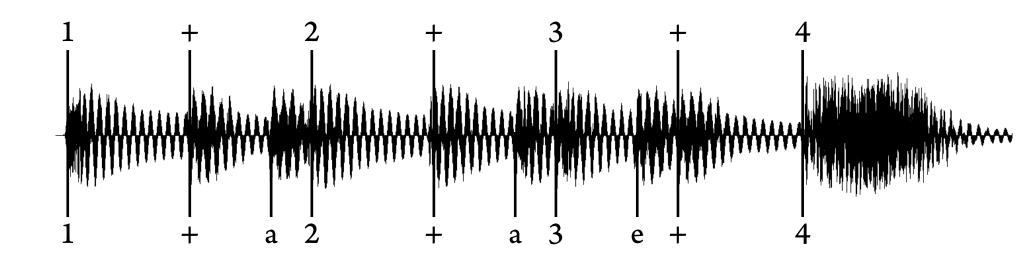


"Poison" (Bell Biv DeVoe 1990)

SWING SIXTEENTHS



NORMAL FEEL



"Redneck Woman" (Gretchen Wilson 2004)

SWING SIXTEENTHS

4 4

DOUBLE-TIME FEEL

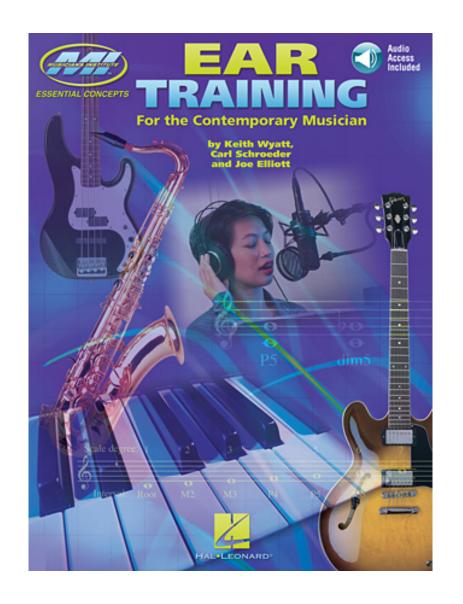
"Redneck Woman" (Gretchen Wilson 2004)

SWING SIXTEENTHS

4 4

DOUBLE-TIME FEEL

"In popular music, compound meter is generally used only at slower tempos; when the tempo picks up, the triplet feeling is better defined as *shuffle* or *swing*." (Wyatt, Schroeder, and Elliott 2005, p. 77)



68

SWING SIXTEENTHS

68

SWING SIXTEENTHS

68

Swing Sixteenths $\frac{6}{8}$

I. Meter in Popular Music, generally

II. History of Meter in R&B Music, specifically

I. BackgroundII. MethodologyIII. Statistical Analysis

IV. Discussion











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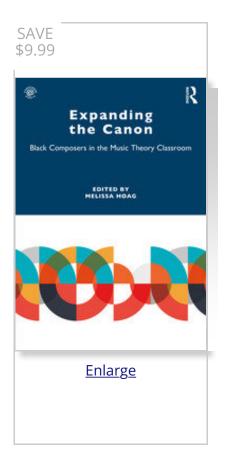
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16 Developing Contemporary Rhythm Skills Through Contemporary R&B

Trevor de Clercq

Introduction

If the contents of current music theory textbooks reflect the structure of the modern-day music theory classroom, then an outsized majority of teaching is currently devoted to topics related to pitch as compared to rhythm. This emphasis on pitch is especially pronounced in textbooks that focus on European art music of the extended common-practice period (i.e., classical music). Yet it persists in textbooks that include a good, if not great, deal of popular music as well. One factor may be that rhythm is normally considered more of a skill than a concept, and so its teaching is relegated to dedicated skills-based courses. This distinction between skill-based and conceptual topics may represent tradition more than anything else, however. And even in textbooks devoted specifically to aural skills, the imbalance between pitch and rhythm remains.

As a counterbalance, I offer in this chapter some classroom activities that shift students' attention away from pitch and toward aspects of rhythm. Specifically, I suggest ways to help students develop contemporary rhythm skills in the context of contemporary R&B music. Although conventional approaches to teaching rhythm may be adequate for developing the skills needed for understanding classical music, these approaches do not adequately address

Early R&B (1960s)

SWING EIGHTHS

444

NORMAL FEEL

Early R&B (1960s)

SWING EIGHTHS

44

NORMAL FEEL

"Baby Love"
(The Supremes 1964)

Early R&B (1960s)

SWING EIGHTHS

44

NORMAL FEEL

"Baby Love"
(The Supremes 1964)

Contemporary R&B (mid-1980s to present)



SWING SIXTEENTHS

4 4

NORMAL FEEL

The research question:

"What is the prevalence of swing through the history of R&B music?"

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"What is the prevalence of swing through the history of R&B music?"



.... a corpus study!

I. BackgroundII. MethodologyIII. Statistical AnalysisIV. Discussion

Year	Artist	Album
1961	The Marvelettes	Please Mr. Postman
1963	Martha and the Vandellas	Heat Wave
1967	The Four Tops	Reach Out
1970	The Jackson 5	ABC
1971	Marvin Gaye	What's Going On
1976	Stevie Wonder	Songs in the Key of Life
1981	Rick James	Street Songs
1983	Lionel Richie	Can't Slow Down
1985	DeBarge	Rhythm of the Night
1990	Johnny Gill	Johnny Gill
1994	Boyz II Men	<i>II</i>
1999	Brian McKnight	Back at One
2003	Erykah Badu	Worldwide Underground
2005	India Arie	Testimony, vol. 1

Motown discography, 1961–2005 205 studio albums*

- no soundtrack albums
- no holiday albums
- * no compilation albums
- no greatest hits albums
- * no live albums
- * no "rock operas"
- * no television specials
- * no unreleased albums

50 songs per 5-year period ("pentade")

Pentade

1961-1965

1966-1970

1971-1975

1976-1980

1981-1985

1986-1990

1991-1995

1996-2000

2001-2005

50 songs per 5-year period ("pentade")

Pentade

1961-1965
1966-1970
1971-1975
1976-1980
1981-1985
1986-1990
1991-1995
1996-2000
2001-2005

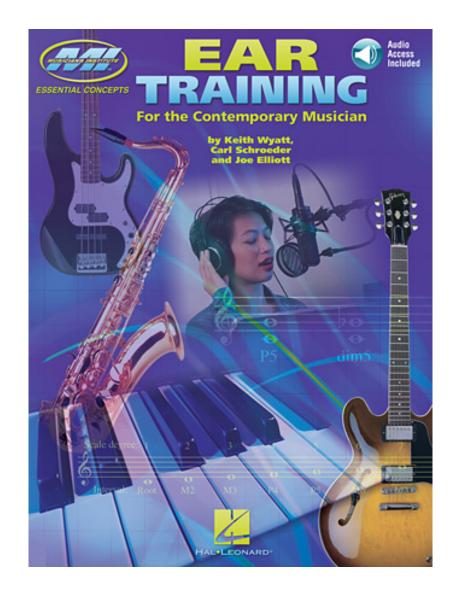
```
Uptown Soul
    Girl Groups
                    Psychedelic Soul
        Quiet Storm
                           Disco
 Post-Disco
             Contemporary R&B
New Jack Swing
            Neo-Soul
```

50 songs per 5-year period ("pentade")

Pentade		
1961-1965	Girl Groups Wn Soul	
1966-1970	The sups was	soul
1971-1975	Psych	nedelic Soul
1976-1980	Quiet Storm Post-Disco	Disco
1981-1985	Post-Disco	
1986-1990	swing Conto	
1991-1995	New Jack Swing ontemp	0 6
1996-2000	New Jack Swing Contemp	'ary p
2001-2005		n & B

450 songs total (50 songs x 9 pentades)

"In popular music, compound meter is generally used only at slower tempos; when the tempo picks up, the triplet feeling is better defined as *shuffle* or *swing*." (Wyatt, Schroeder, and Elliott, 2005, p. 77)



Meter Categorization Strategy

Kick / Snare = "Beat"

Meter Categorization Strategy

Kick / Snare = "Beat"

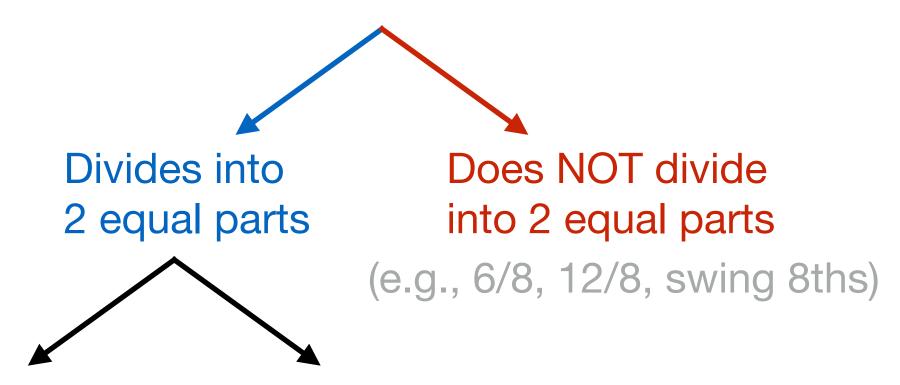
Divides into 2 equal parts

Does NOT divide into 2 equal parts

(e.g., 6/8, 12/8, swing 8ths)

Meter Categorization Strategy

Kick / Snare = "Beat"



Divides into 2 equal parts

Does NOT divide into 2 equal parts

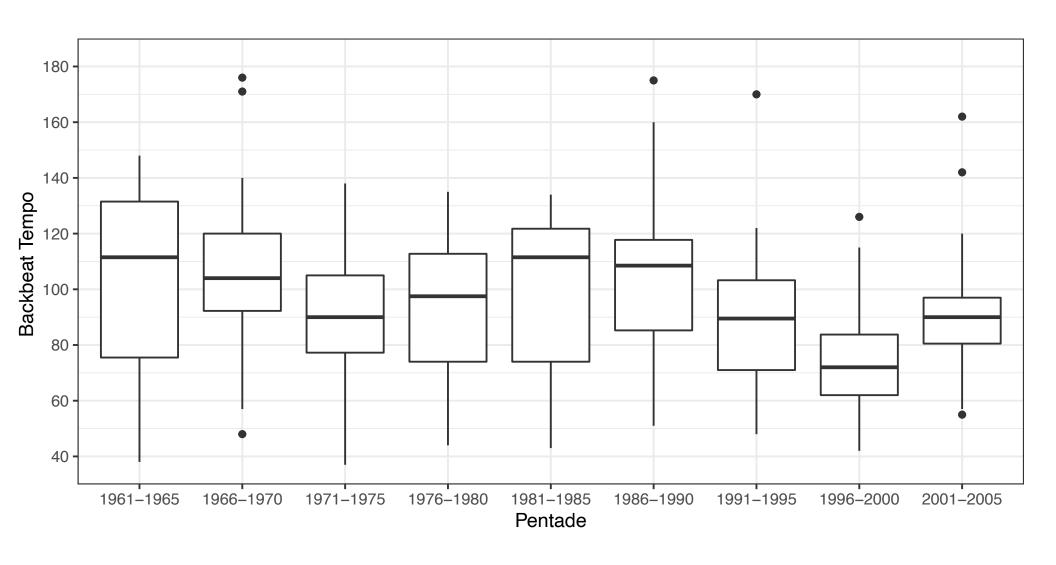
(e.g., swing 16ths)

I. BackgroundII. MethodologyIII. Statistical AnalysisIV. Discussion

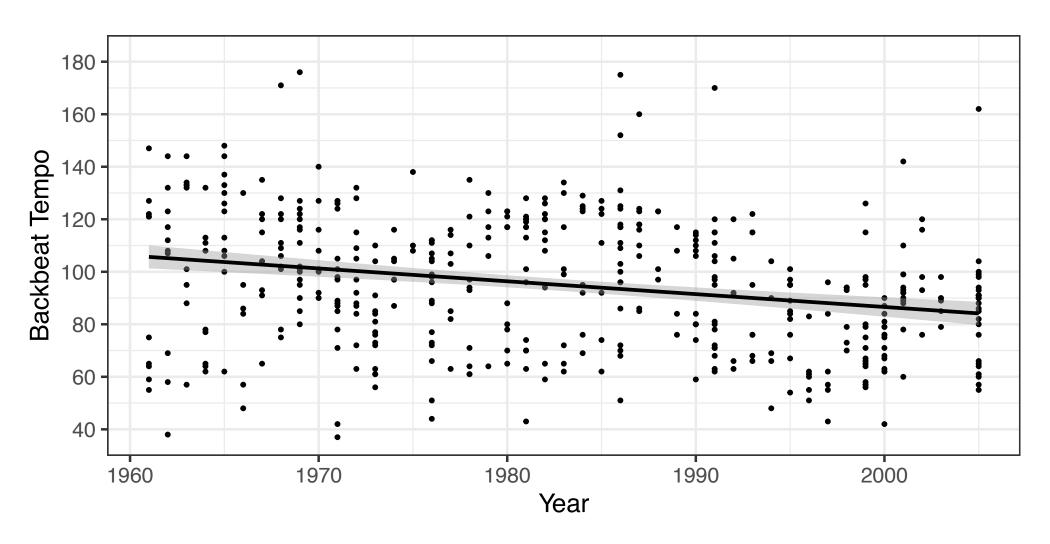
Average Kick-Snare Rates in BPM (e.g., drum tempo) for all songs

Pentade	n	Median	Mean
1961-1965	50	112	104
1966-1970	50	104	106
1971-1975	50	90	92
1976-1980	50	98	94
1981-1985	50	112	101
1986-1990	50	109	105
1991-1995	50	90	89
1996-2000	50	72	74
2000-2005	50	90	90

Average Kick-Snare Rates (in BPM) for all songs



Average Kick-Snare Rates (in BPM) for all songs

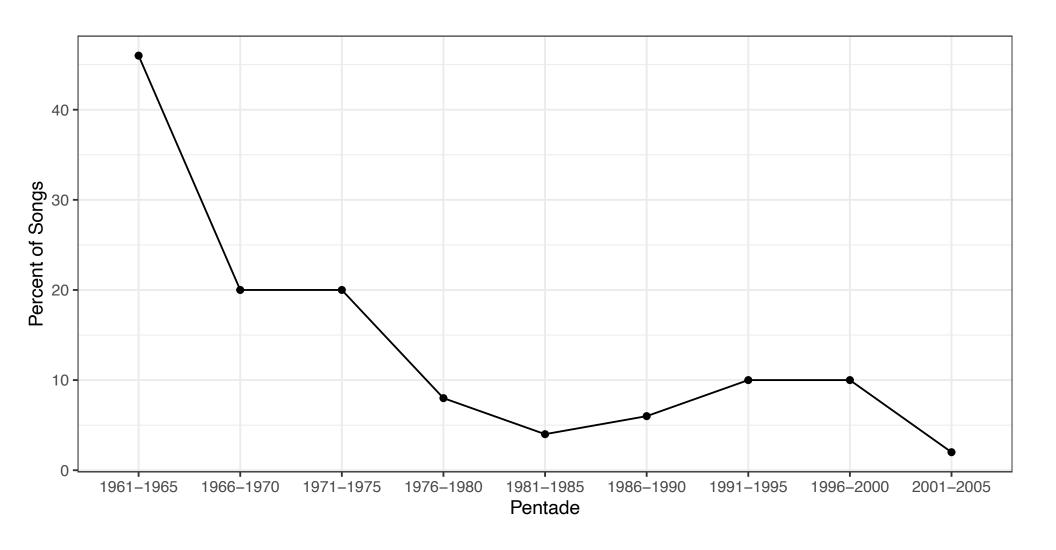


$$p < .001, r^2 = .065$$

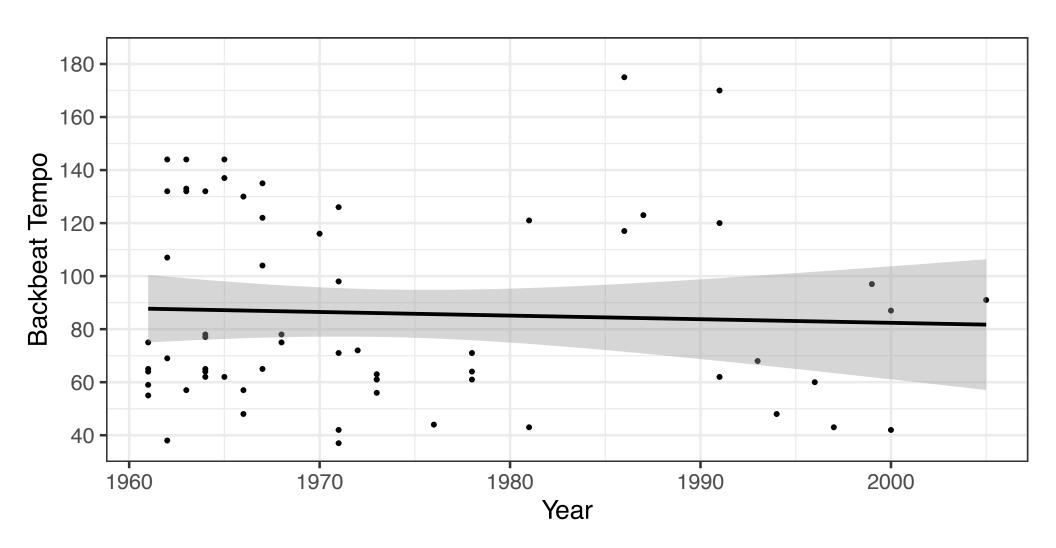
Average Kick-Snare Rates (in BPM) for songs without duple 8ths

Pentade	n	Median	Mean
1961-1965	23	75	91
1966-1970	10	91	93
1971-1975	10	62	69
1976-1980	4	63	60
1981-1985	2	82	82
1986-1990	3	123	138
1991-1995	5	68	94
1996-2000	5	60	66
2000-2005	1	91	91

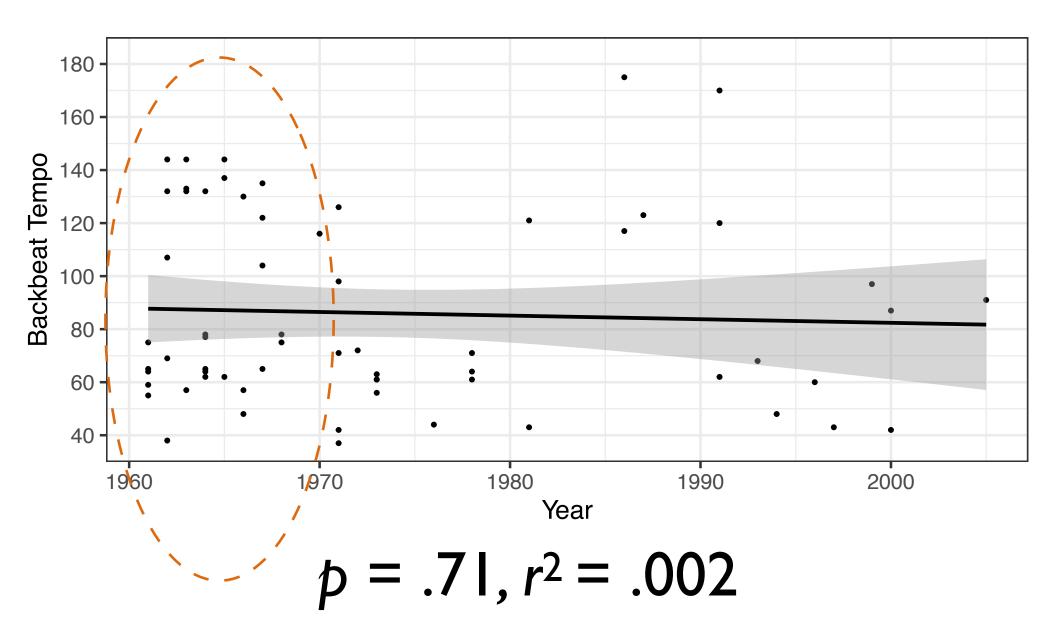
Percent of songs without duple 8ths

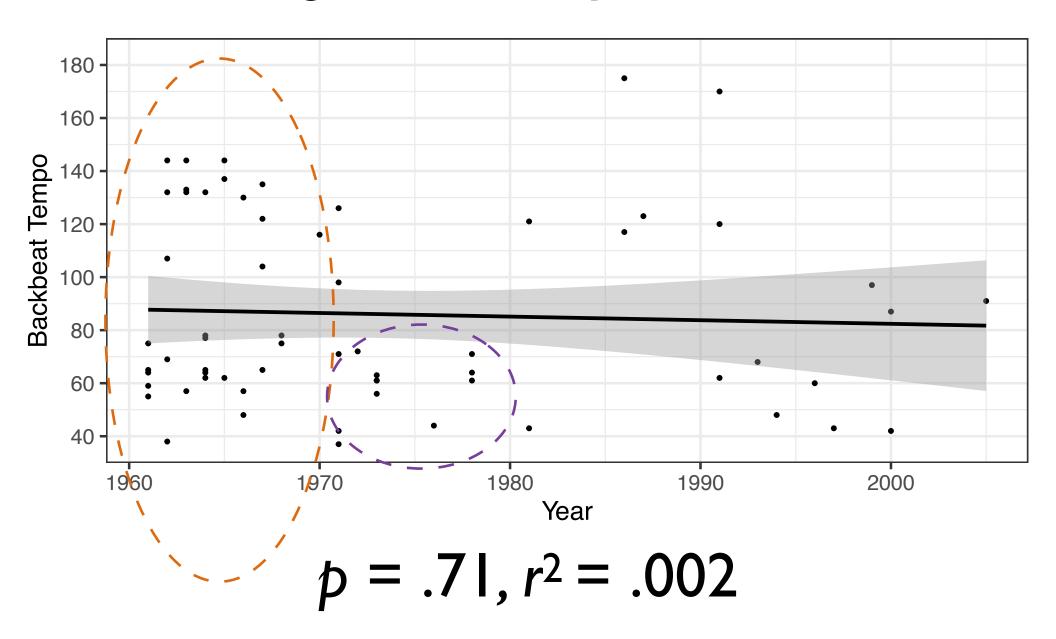


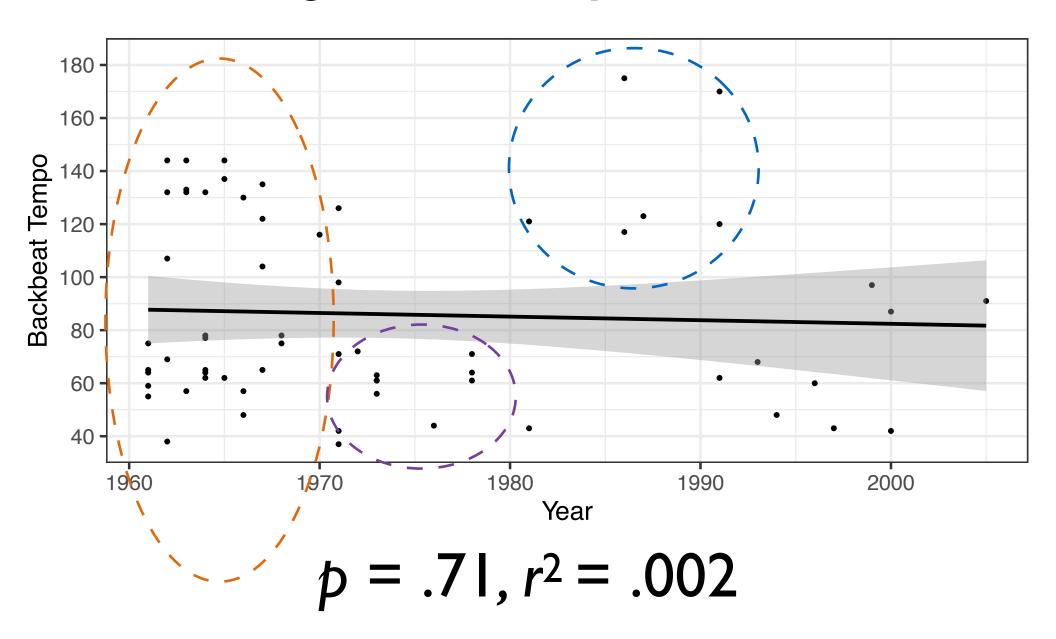
Average Kick-Snare Rates (in BPM) for songs without duple 8ths

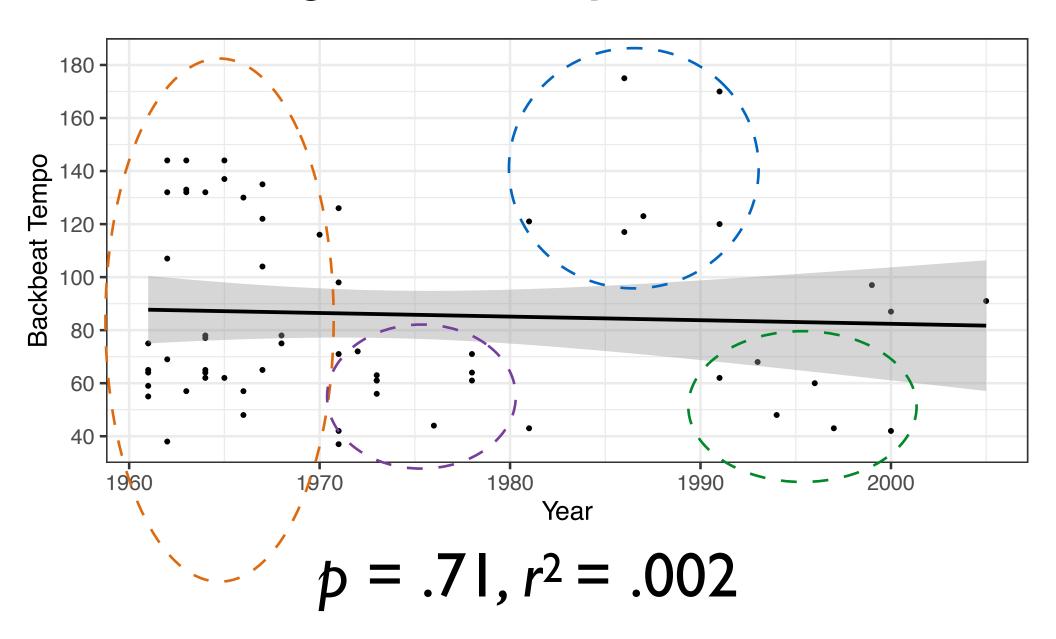


$$p = .71, r^2 = .002$$

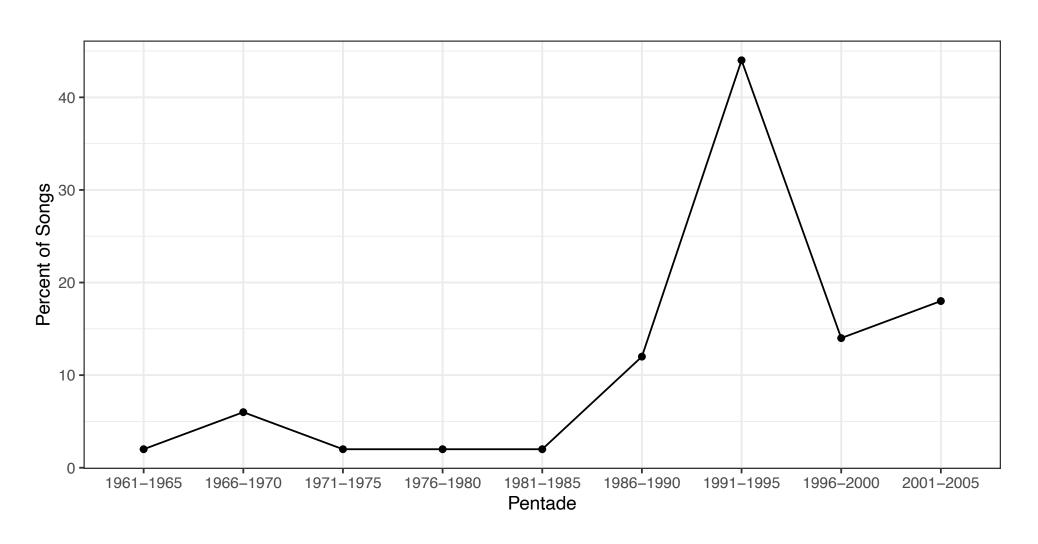




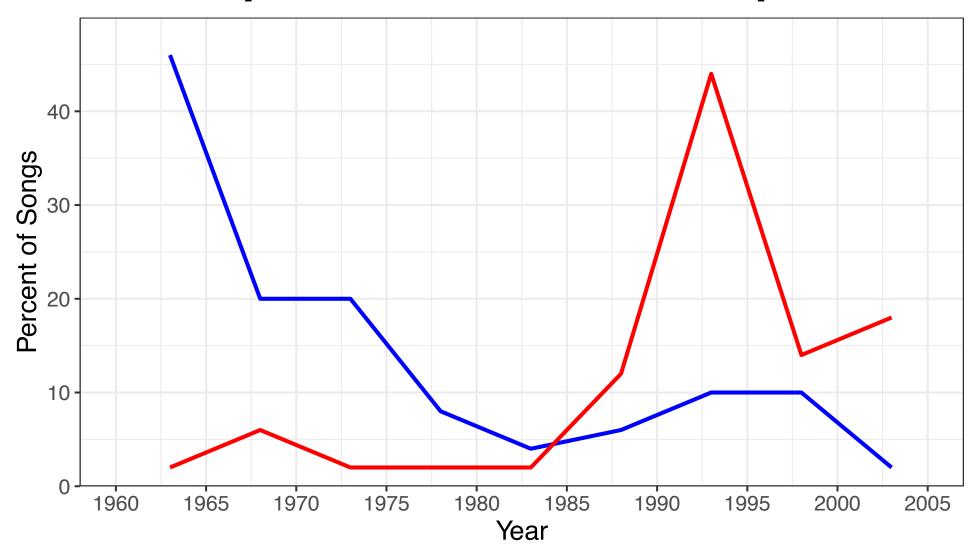




Percent of songs with duple 8ths but without duple 16ths



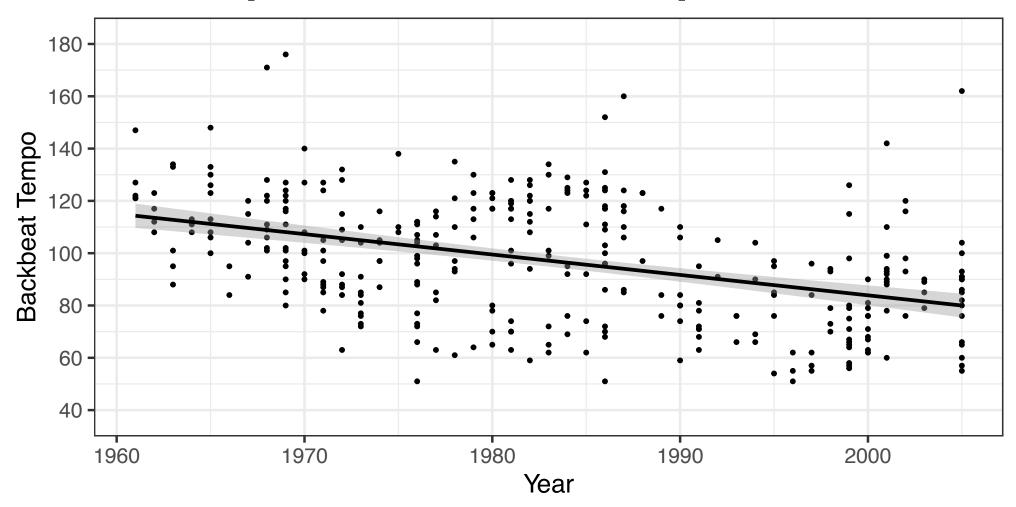
Songs without simple 8ths VS. songs with simple 8ths but without simple 16ths



Songs without simple 8ths

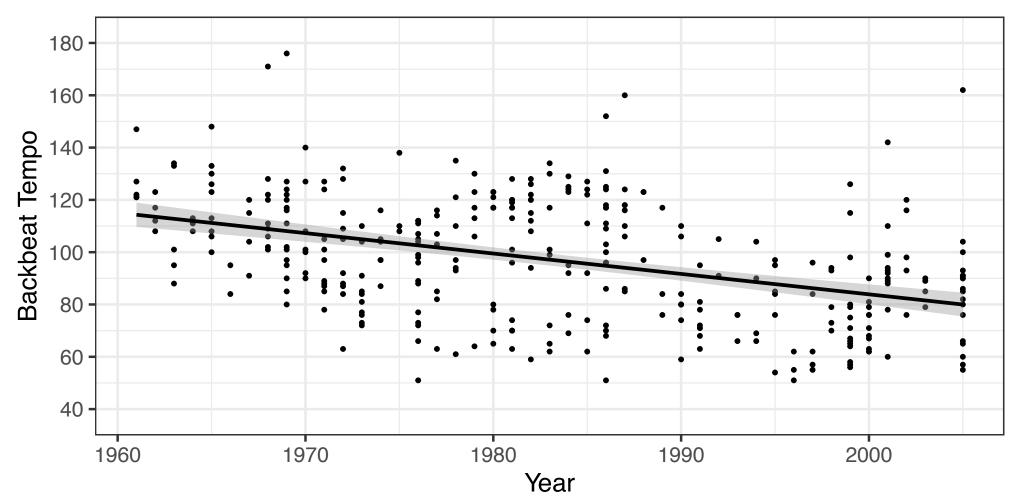
Songs with simple 8ths but without simple 16ths

Average Kick-Snare Rates (in BPM) for songs with duple 8ths and with duple 16ths



$$p < .001, r^2 = .175$$

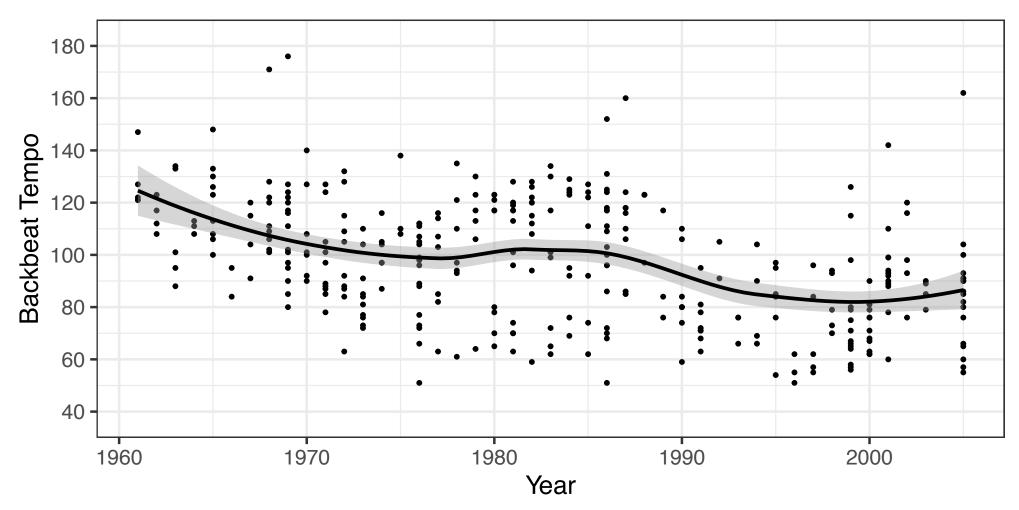
Average Kick-Snare Rates (in BPM) for songs with duple 8ths and with duple 16ths



$$p < .001, r^2 = .175$$

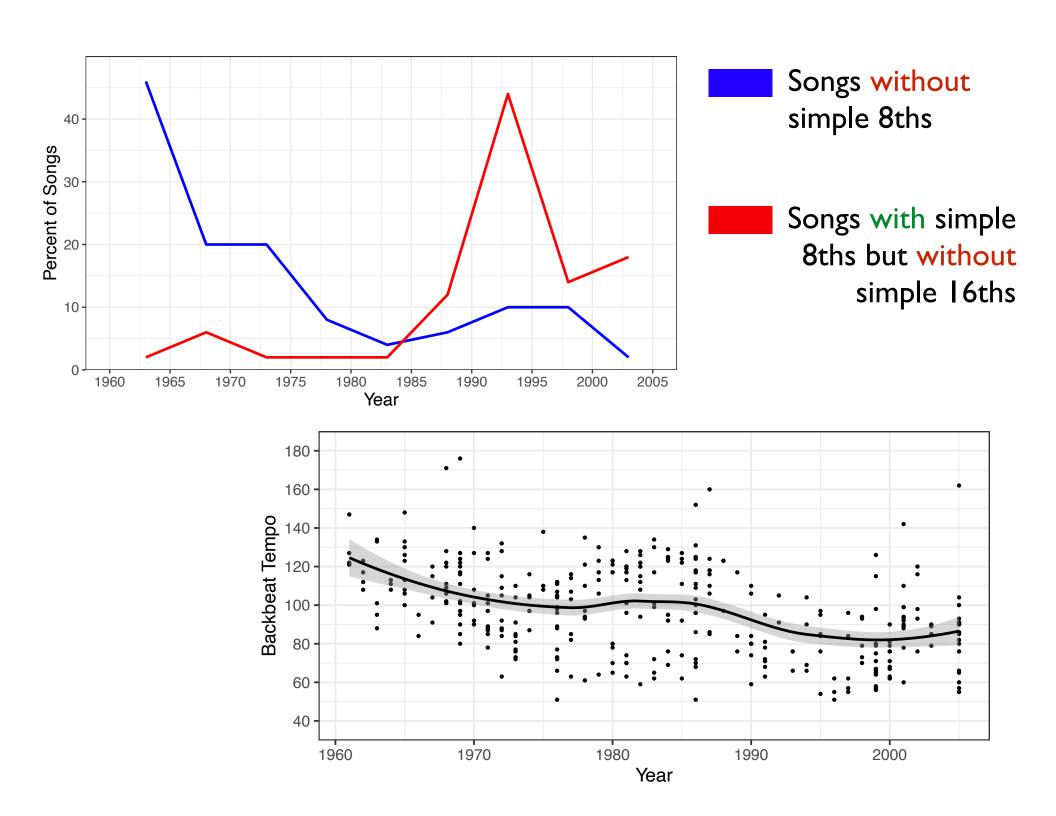
similar results as Schellenberg and von Scheve (2012)

Average Kick-Snare Rates (in BPM) for songs with duple 8ths and with duple 16ths



local polynomial regression (LOESS)

I. BackgroundII. MethodologyIII. Statistical AnalysisIV. Discussion



THANK YOU!

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