Ian Crane

Metis

Data Science

Fall 2014

Visualizing Trends in Music

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Musical Parameters

Audio Qualities

Album Metadata

Popularity

Rock bands (mostly) active for at least 30 years

Aerosmith

Allman Brothers

The Beach Boys

Cheap Trick

Chicago

The Cure

The Eagles

Fleetwood Mac

Genesis

Golden Earring

Iron Maiden

Jethro Tull

Journey

Judas Priest

Kiss

Metallica

Motorhead

Pink Floyd

Queen

Red Hot Chili Peppers

The Rolling Stones

Rush

Simple Minds

Slayer

U2

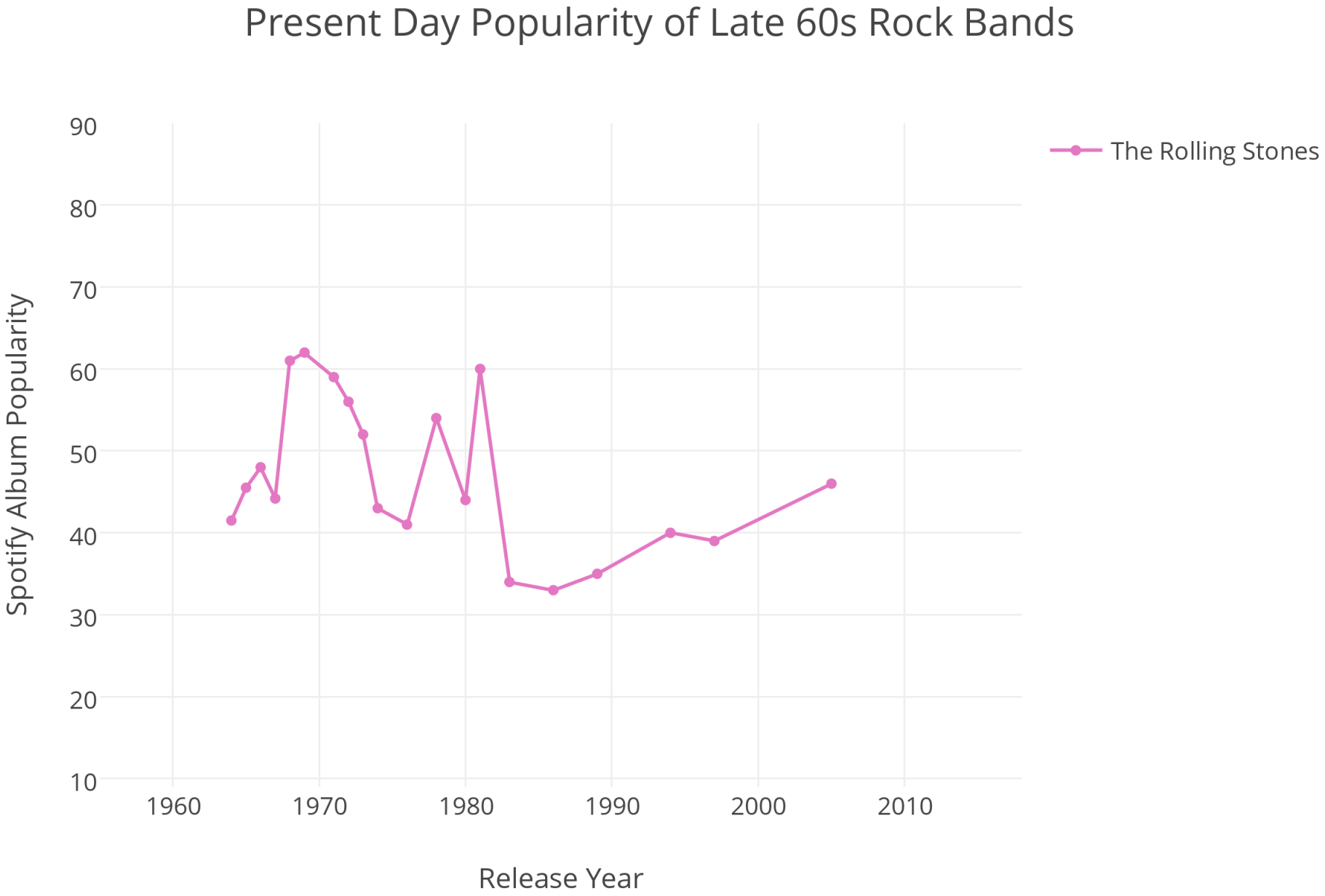
Van Halen

The Who

Yes

ZZ Top

Are the older songs of these bands still the most popular?


Present Day Popularity of Late 60s Rock Bands
Spotify Album Popularity
90
80
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1960
1970
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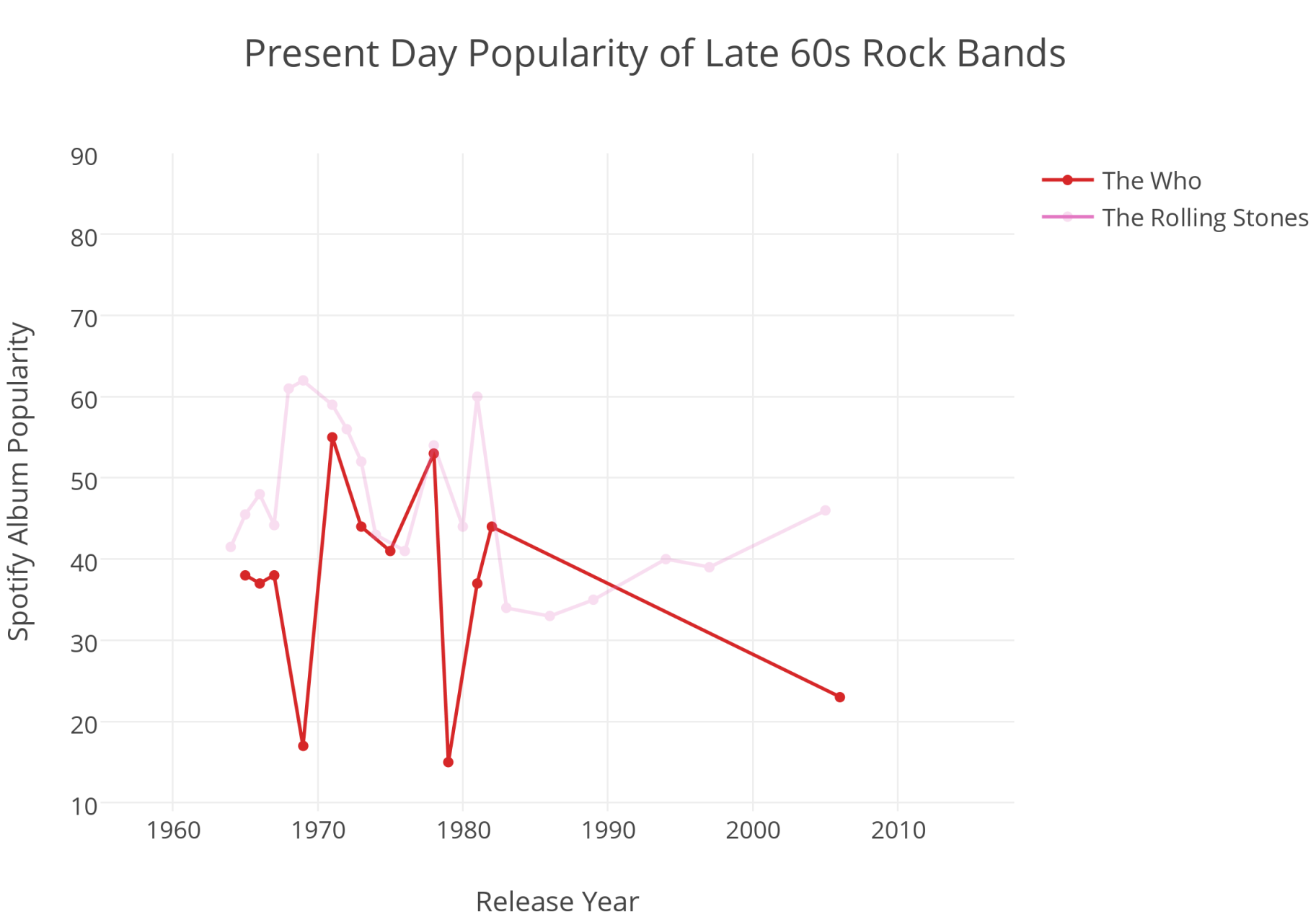
2000
2010
Release Year
The Rolling Stones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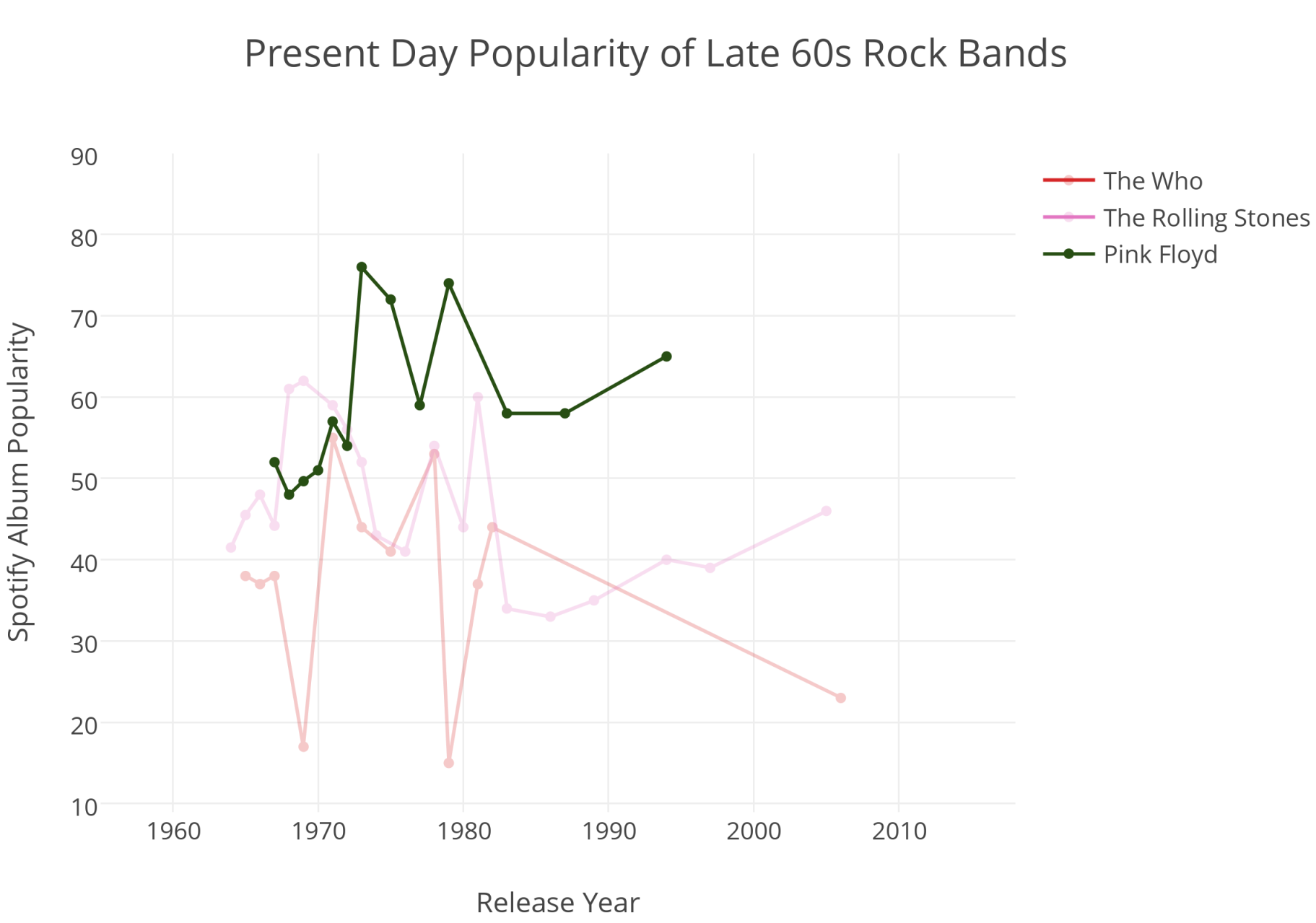
2010
Release Year
The Who
The Rolling Stones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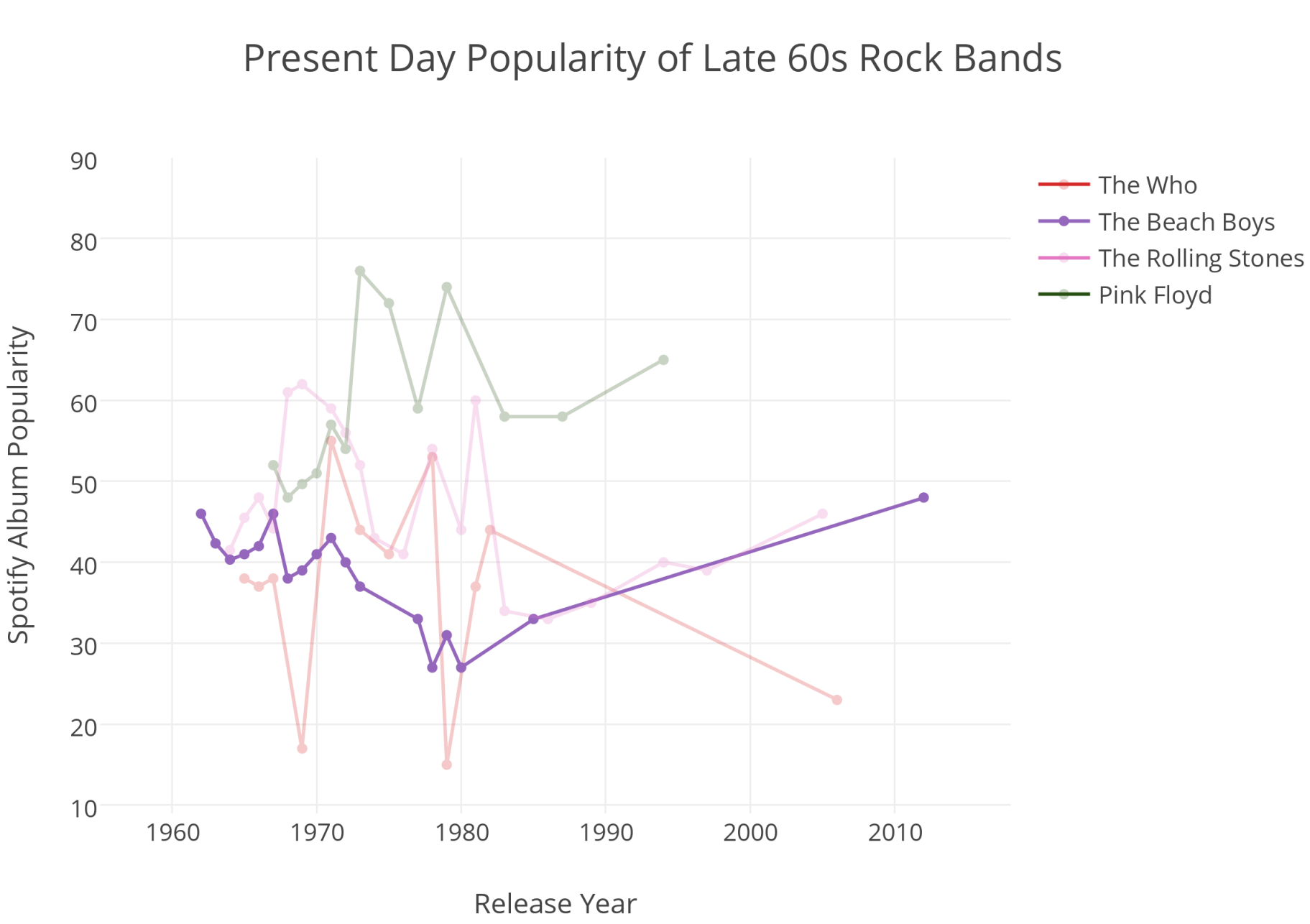
2010
Release Year
The Who
The Rolling Stones
Pink Floyd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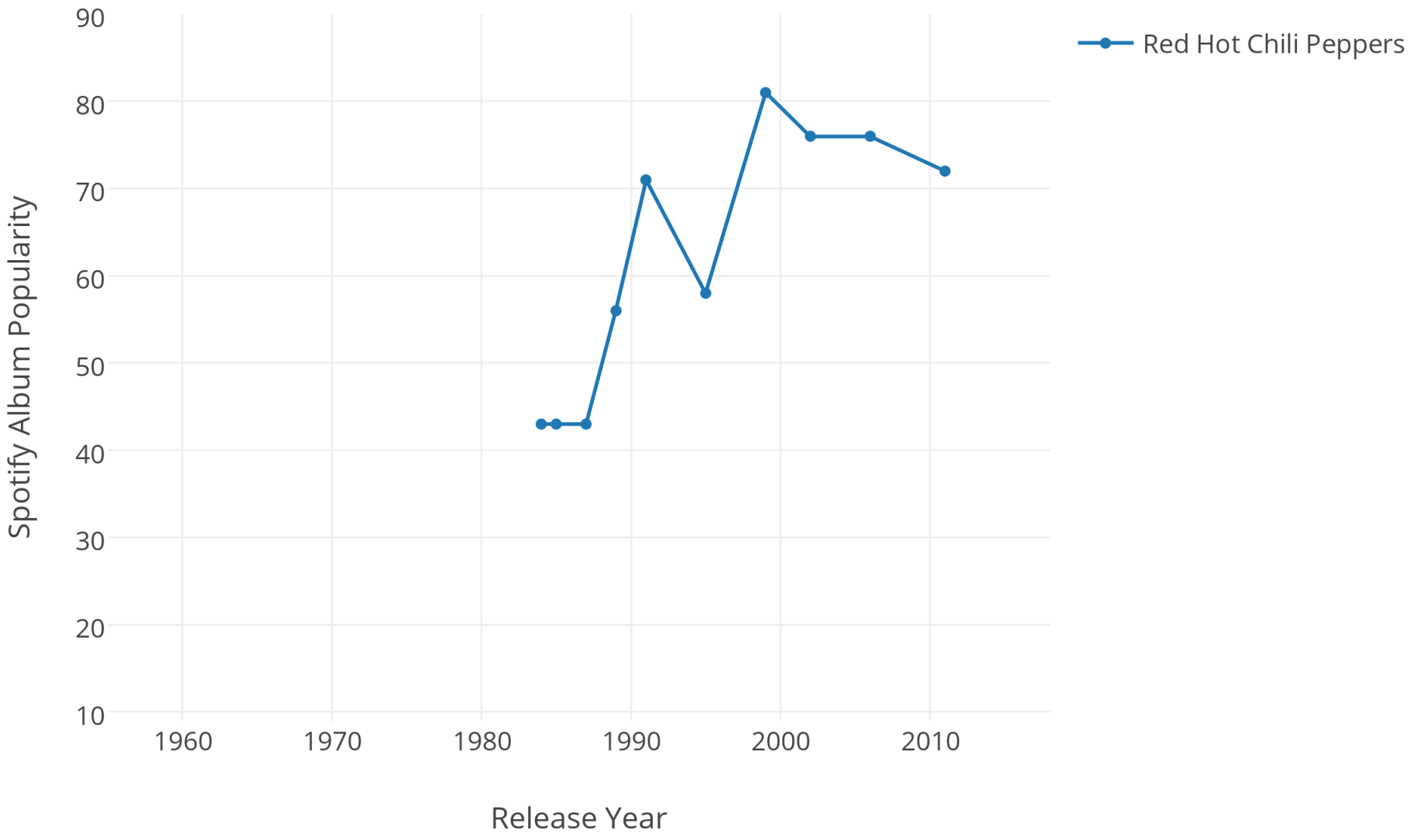
2010
Release Year
The Who
The Beach Boys
The Rolling Stones
Pink Floyd


Present Day Popularity of Early 80s Rock Bands
Red Hot Chili Peppers
Spotify Album Popularity
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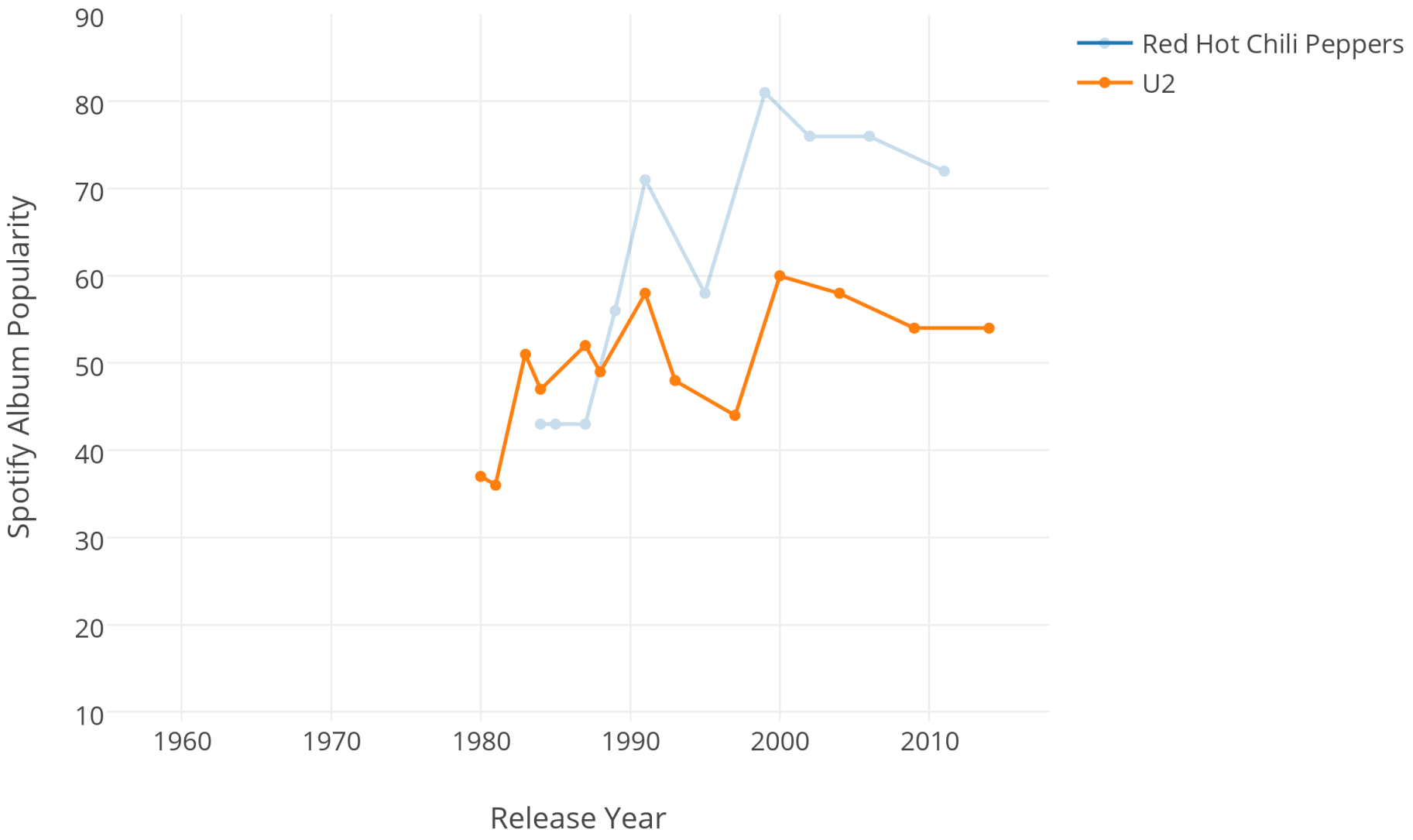
2010
Release Year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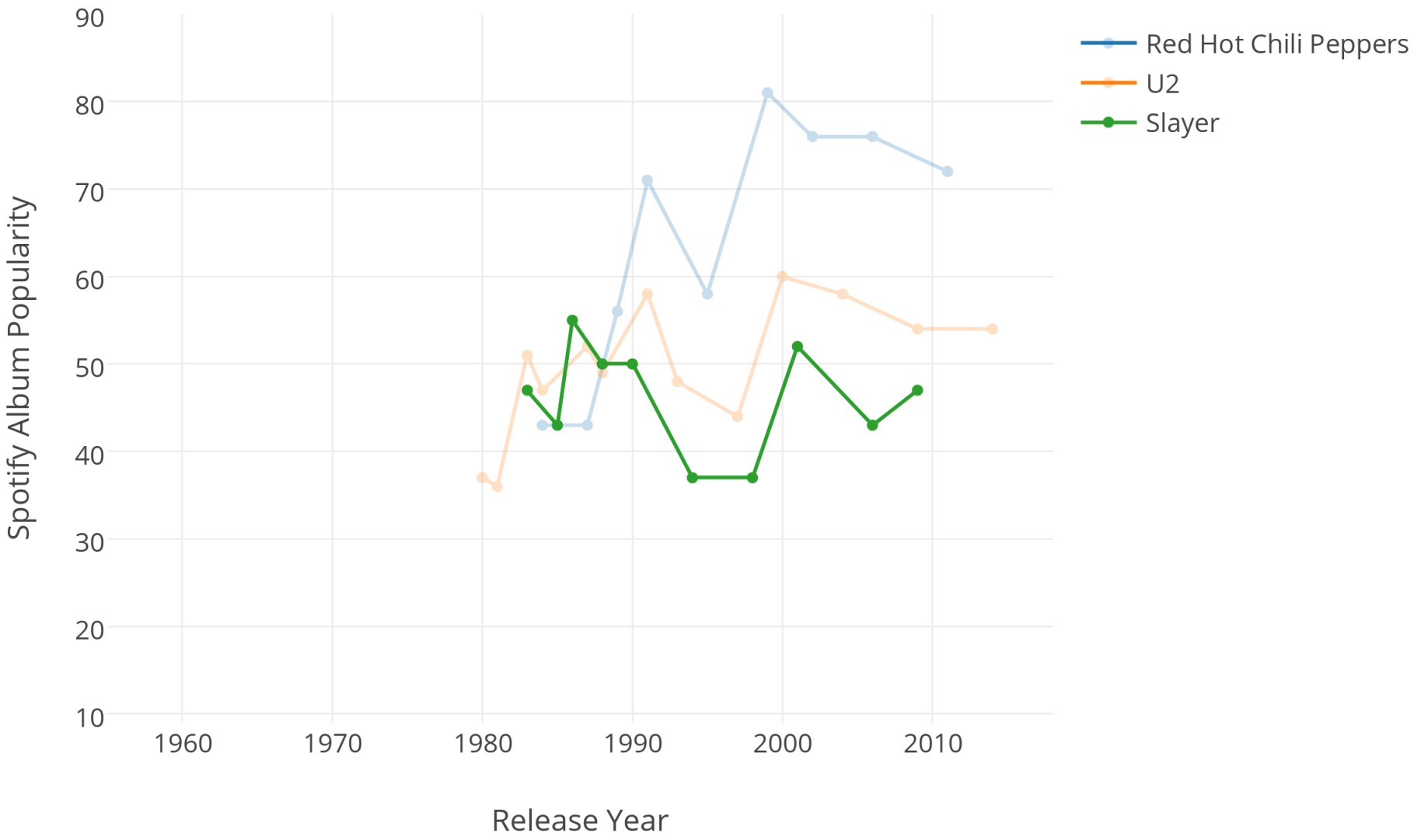
2010
Release Year
Red Hot Chili Peppers
U2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Spotify Album Popularity
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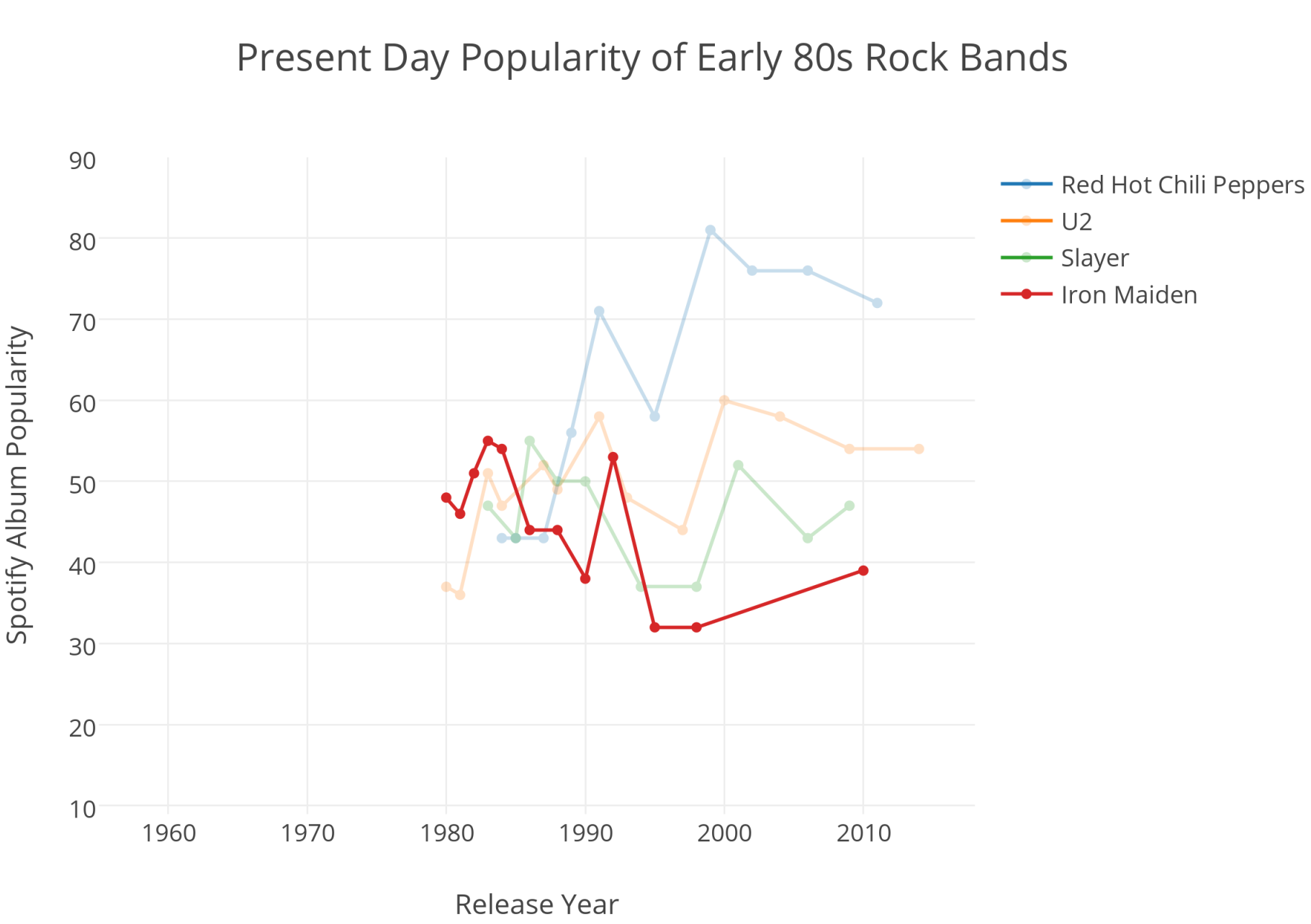
2010
Release Year
Red Hot Chili Peppers
U2
Slayer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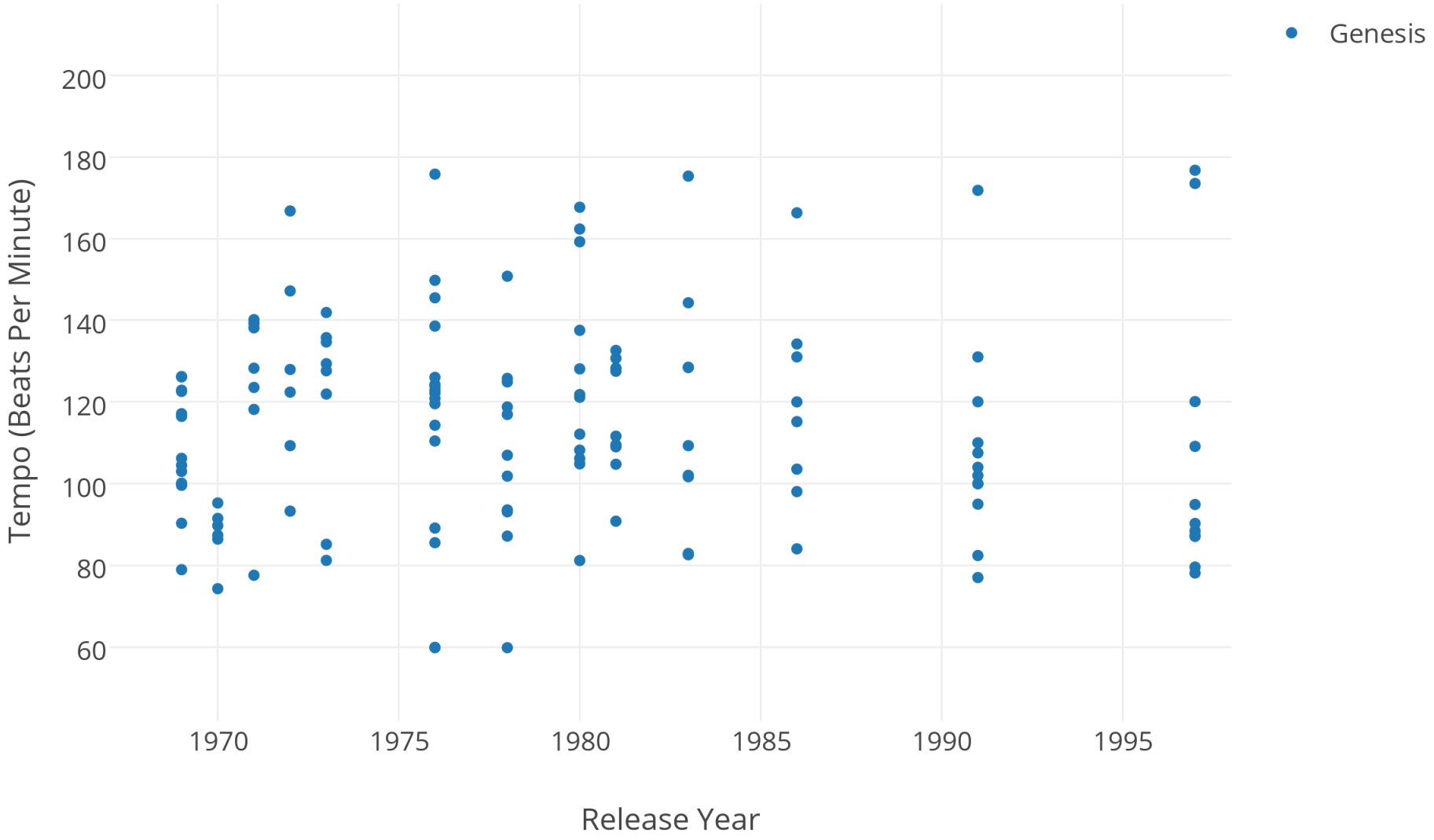
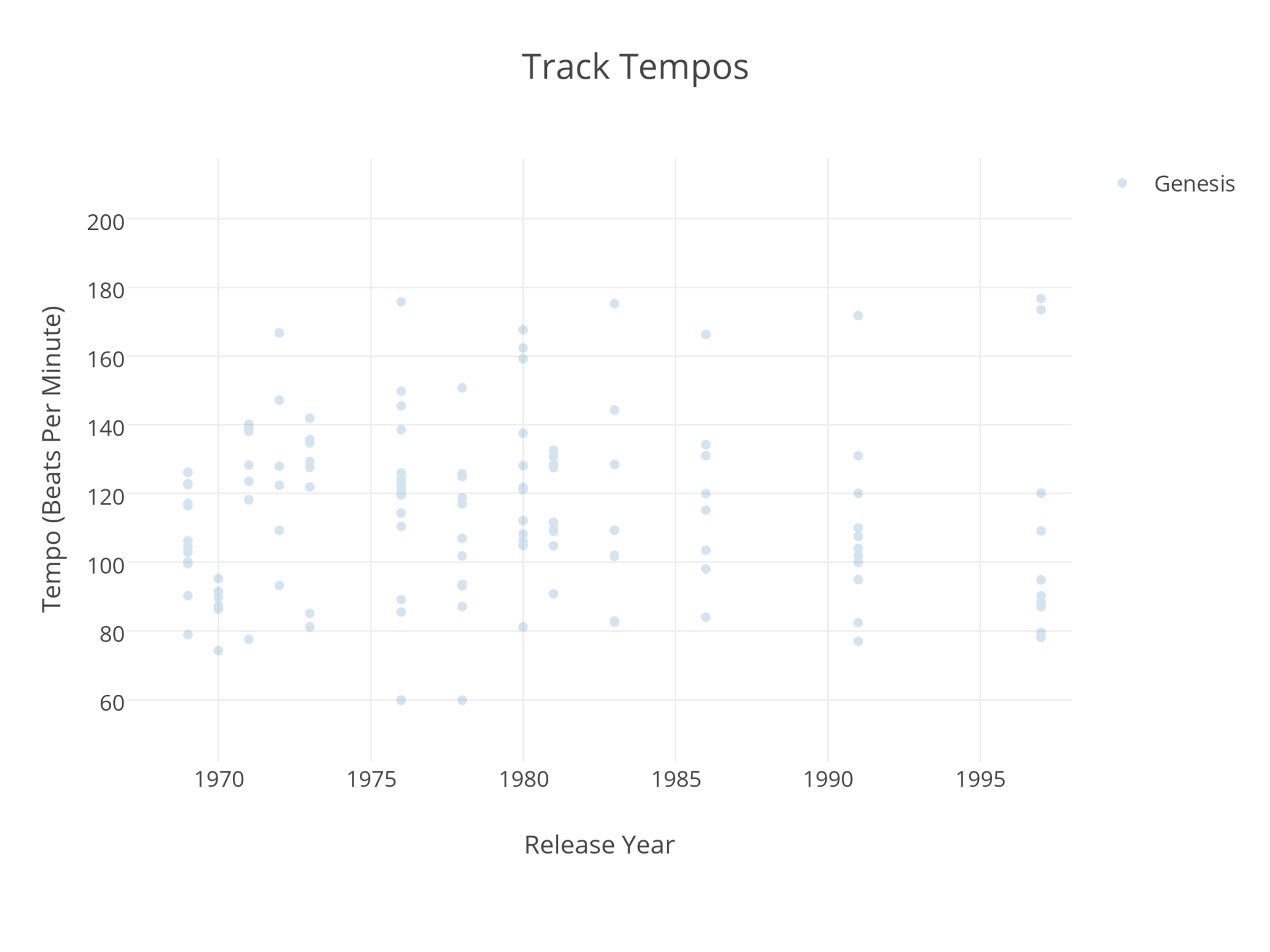
Release Year
Red Hot Chili Peppers
U2
Slayer
Iron Maiden

But what about musical parameters?


Track Tempos
Genesis
Tempo (Beats Per Minute)
200
180
160
140
120
100
80
60
1970
1975
1980
1985
1990
1995
Release Year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Genesis
Tempo (Beats Per Minute)
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1970
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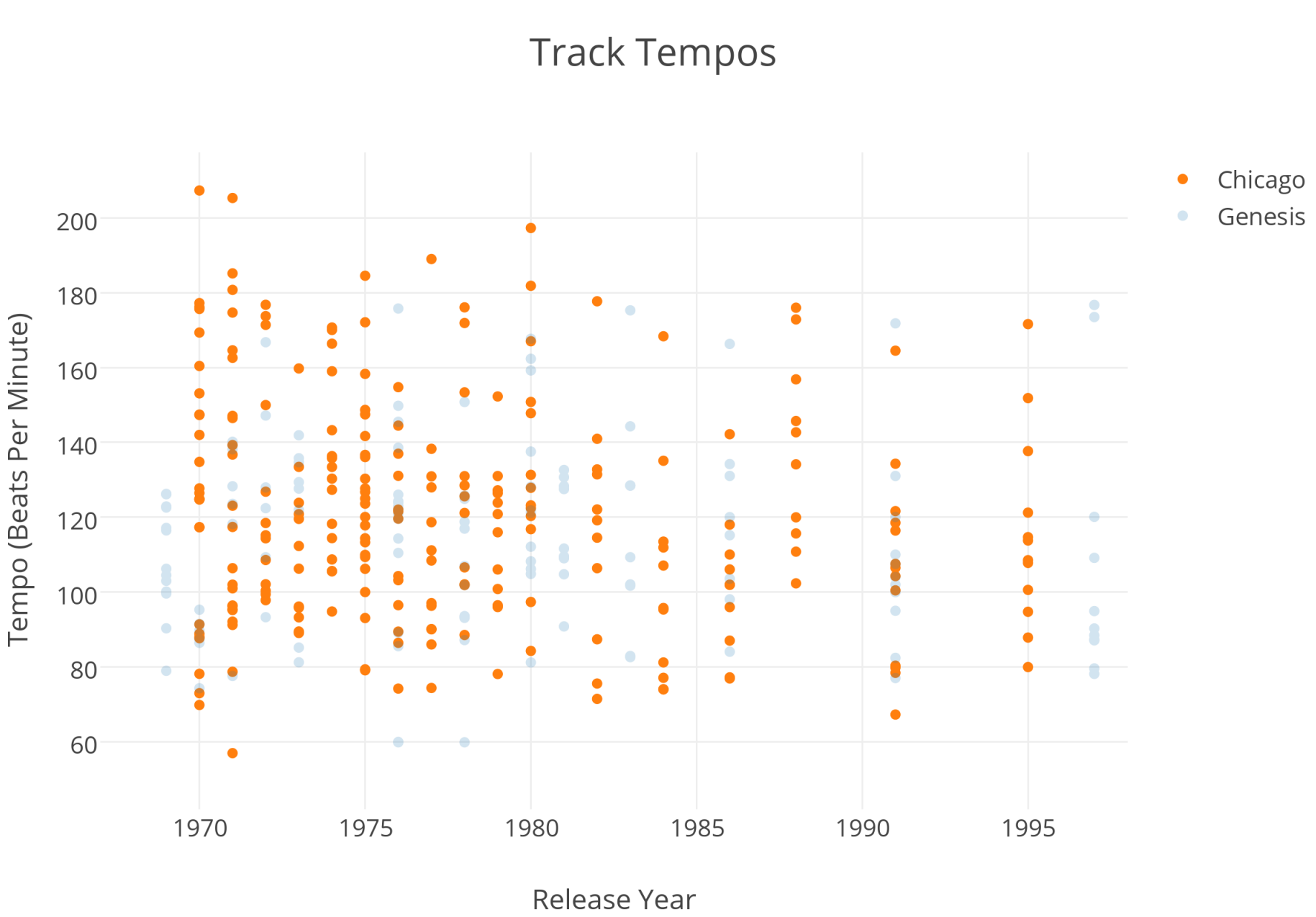
Release Year


Track Tempos
Chicago
Genesis
Tempo (Beats Per Minute)
200
180
160
140
120
100
80
60
1970
1975
1980
1985
1990
1995
Release Year

This only scratches the surface of visualizing music trends

https://plot.ly/16/~idcrane/#