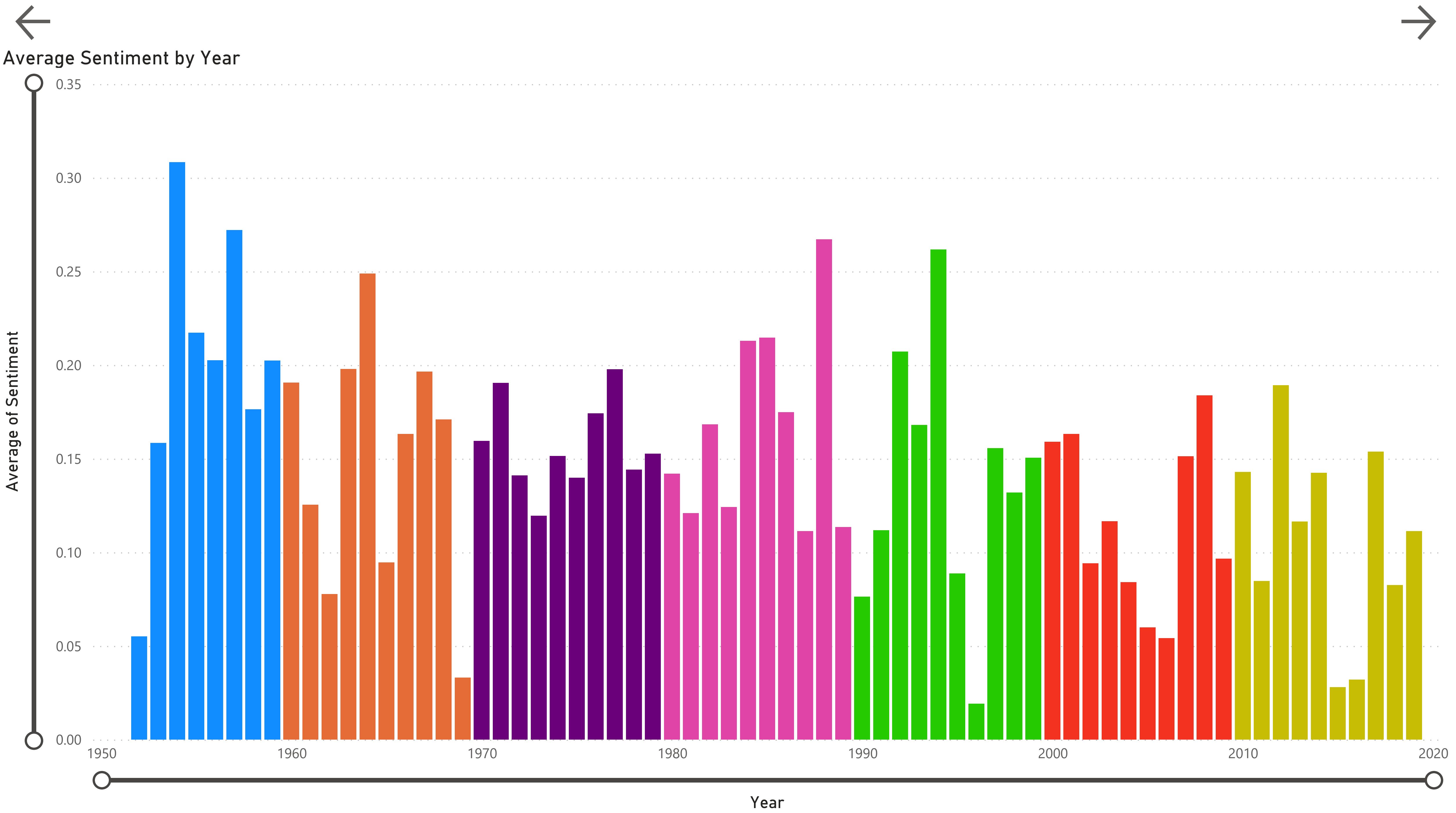
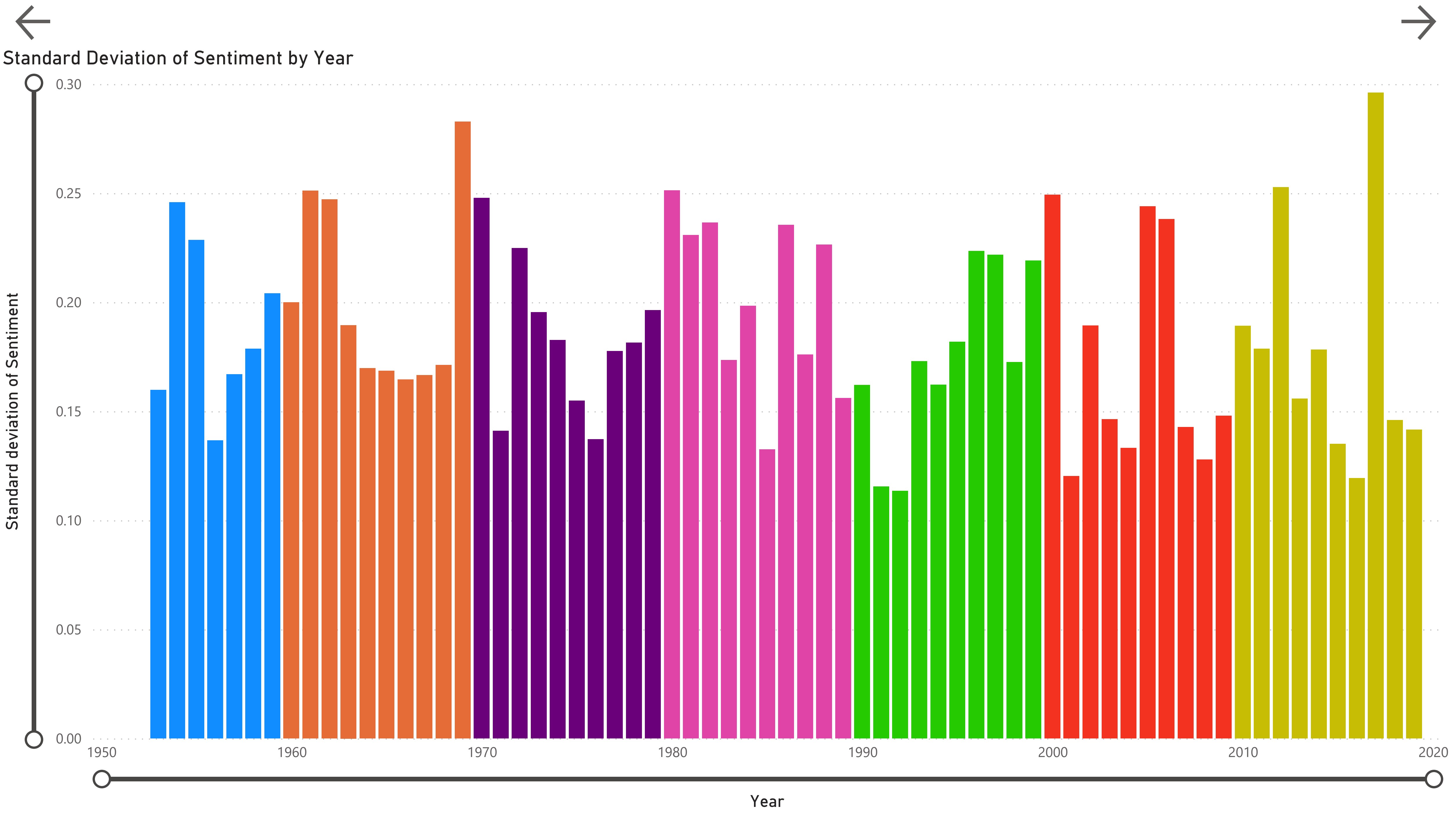


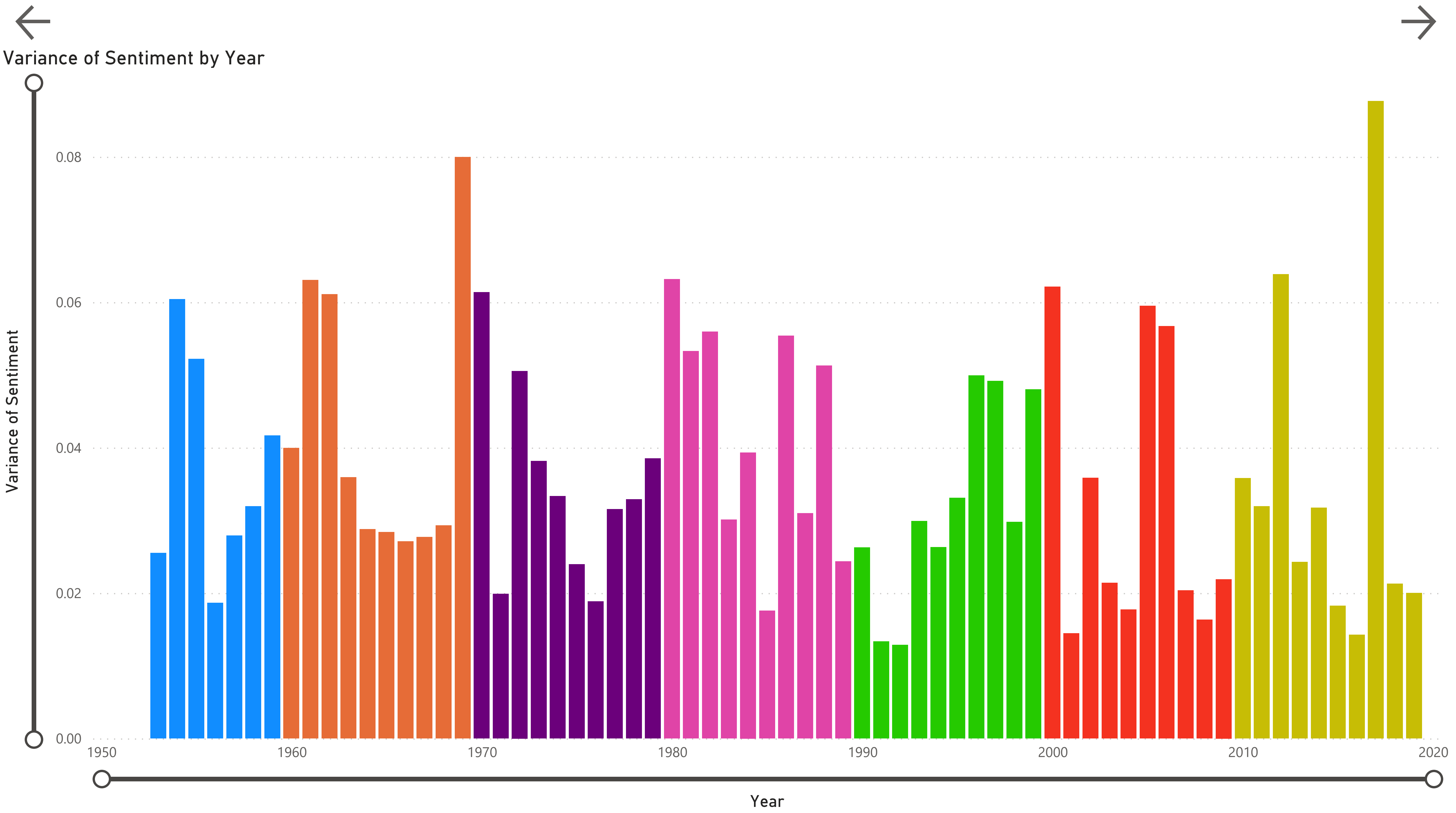
**A Sentiment Analysis of the Official UK Singles Chart
1952-2020**

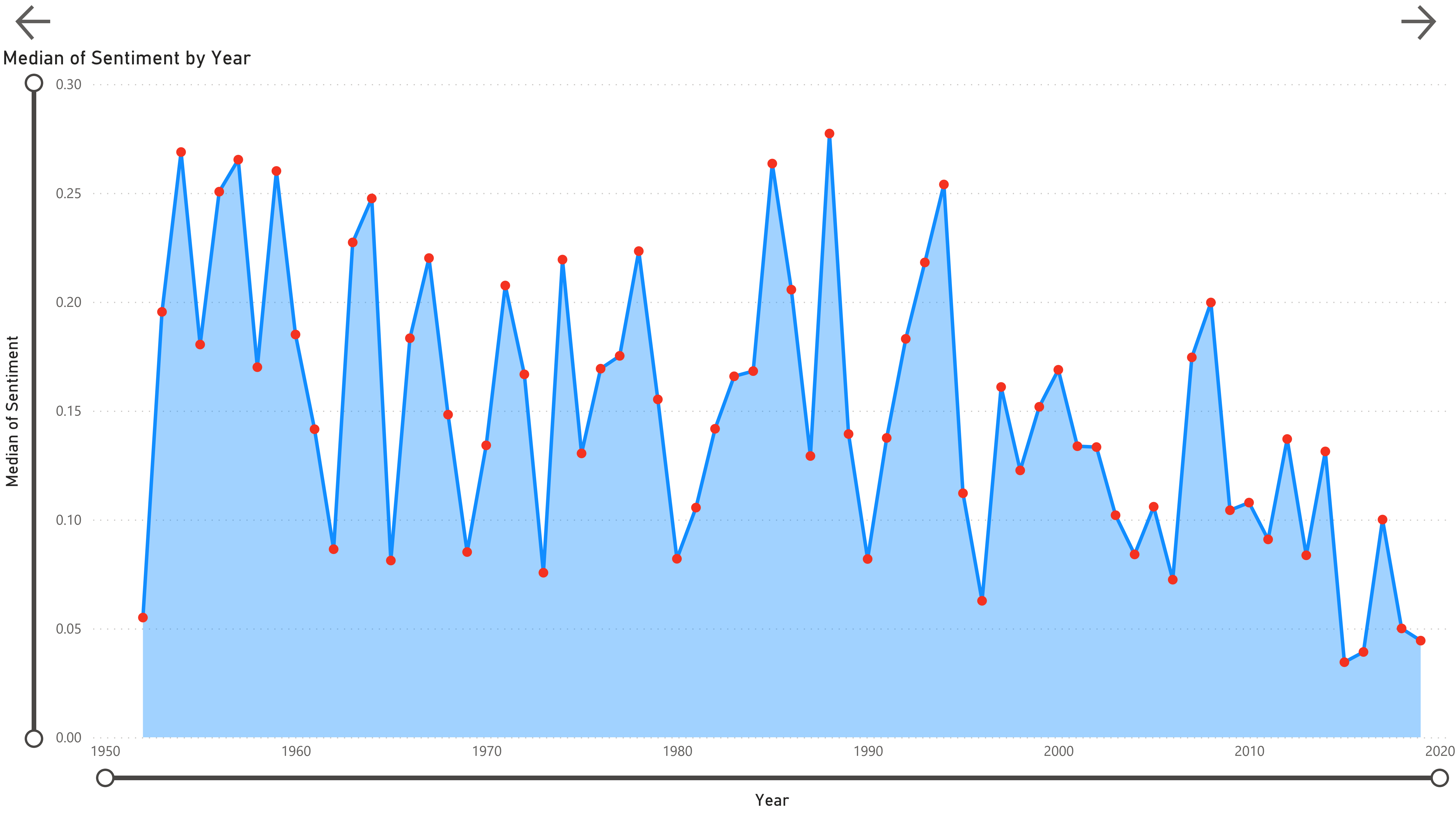


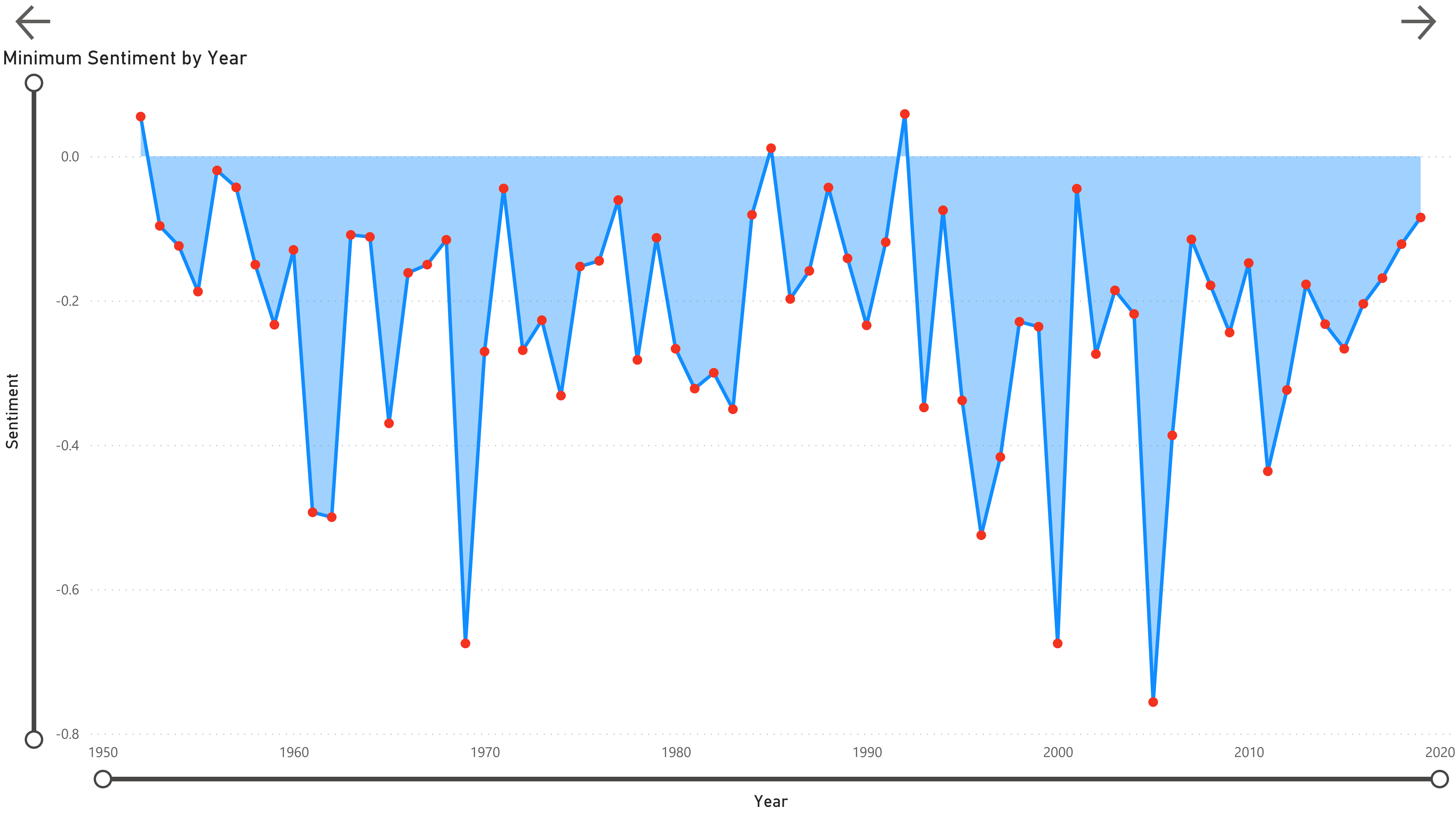
**by
Colm Gallagher**

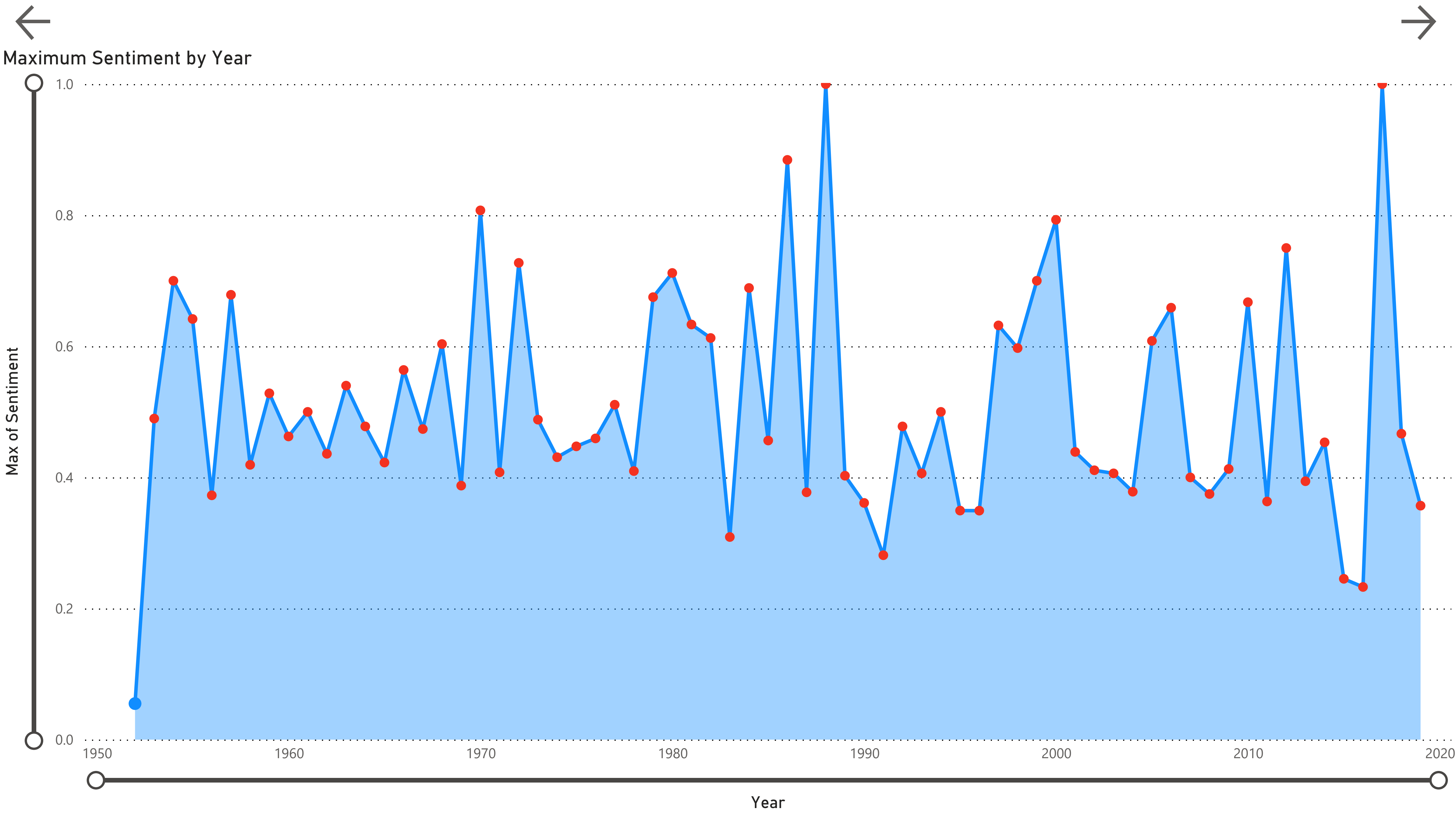






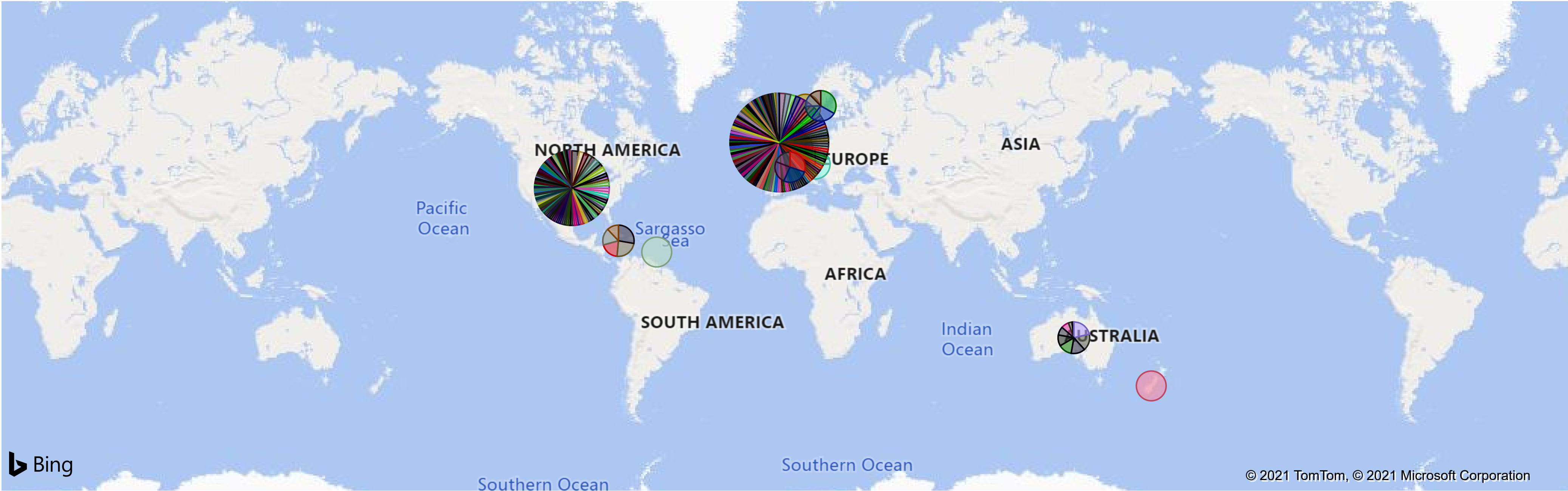




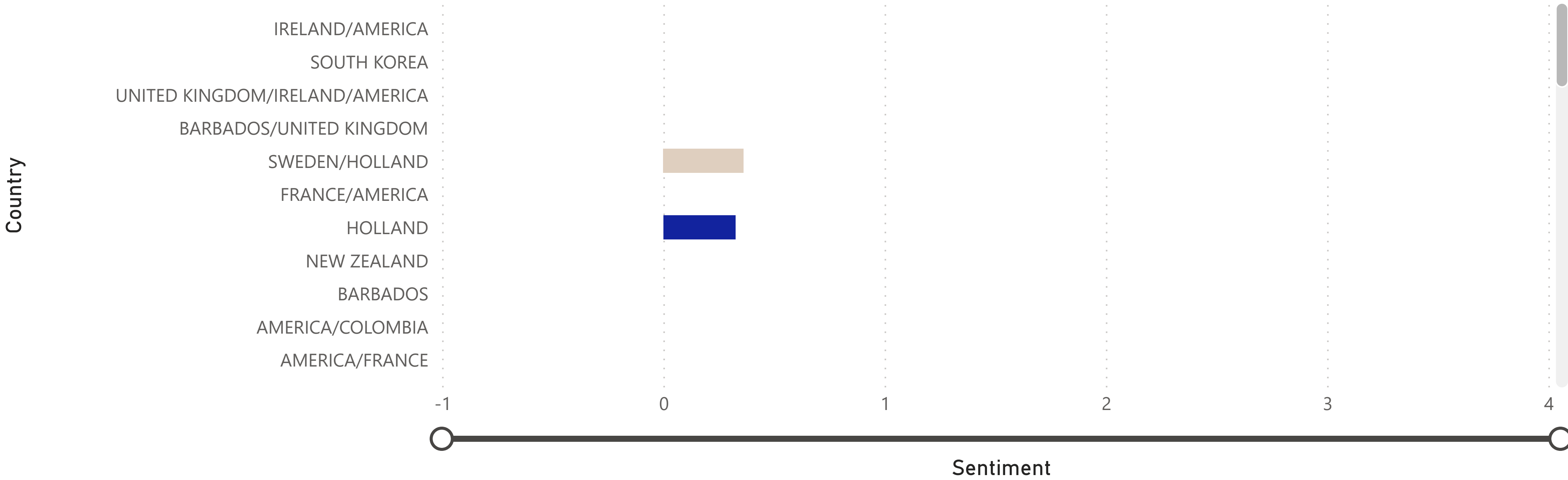




Average sentiment of artist by nationality and year (map)



Average sentiment of artist by nationality and year (stacked bar chart)



Year

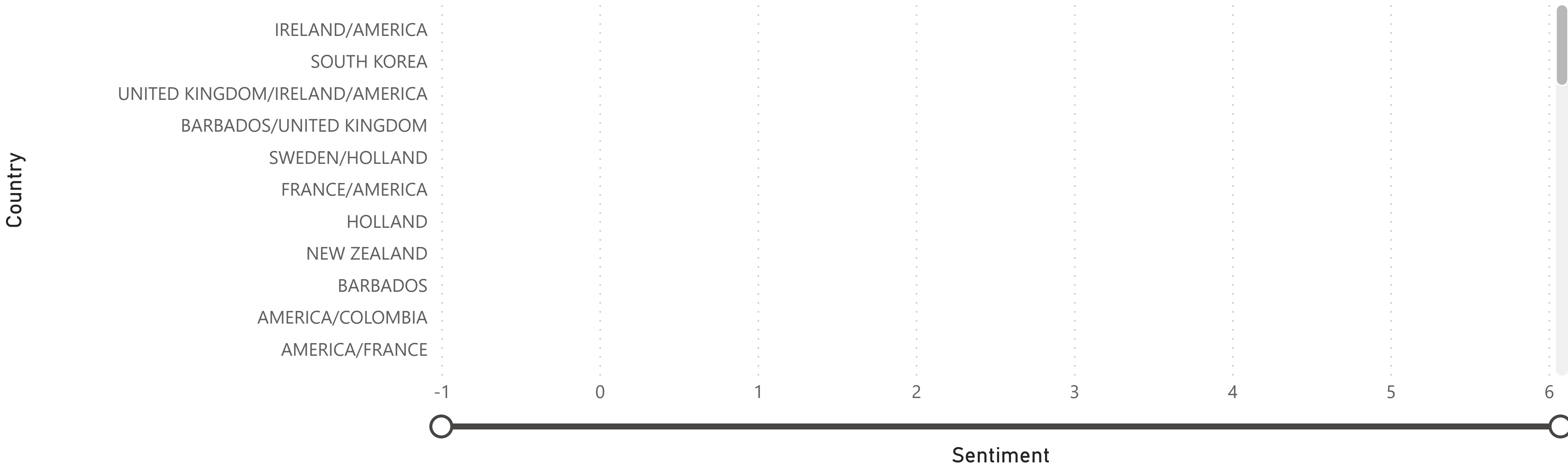
- ☐ 1952
- ☐ 1953
- ☐ 1954
- ☐ 1955
- ☐ 1956
- ☐ 1957
- ☐ 1958
- ☐ 1959
- ☐ 1960
- ☐ 1961
- ☐ 1962
- ☐ 1963
- ☐ 1964
- ☐ 1965
- ☐ 1966
- ☐ 1967
- ☐ 1968
- ☐ 1969
- ☐ 1970
- ☐ 1971
- ☐ 1972
- ☐ 1973
- ☐ 1974
- ☐ 1975
- ☐ 1976
- ☐ 1977
- ☐ 1978
- ☐ 1979
- ☐ 1980
- ☐ 1981
- ☐ 1982

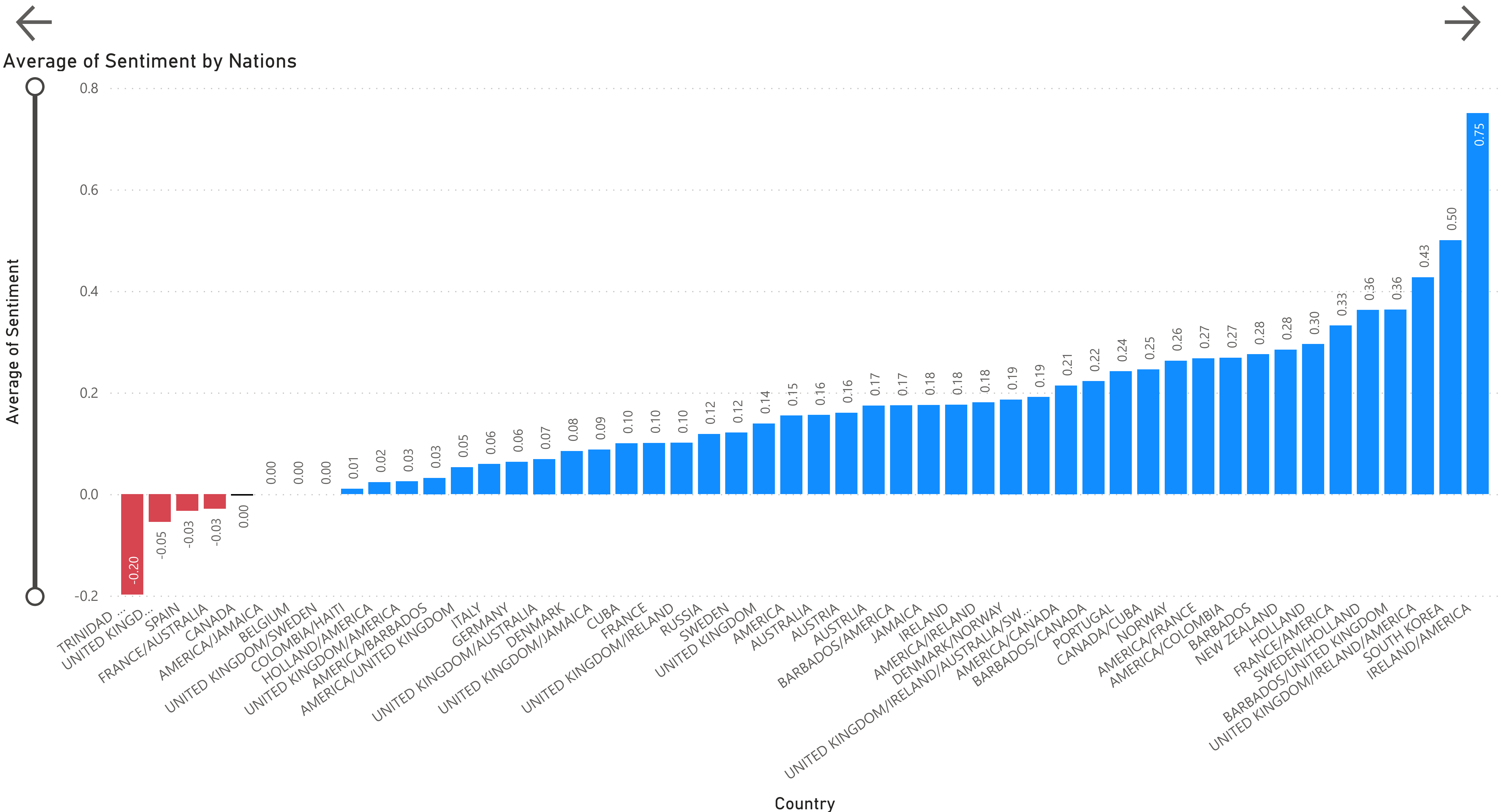


Sentiment

- ☐ 1.00
- ☐ 0.88
- ☐ 0.81
- ☐ 0.79
- ☐ 0.75
- ☐ 0.73
- ☐ 0.71
- ☐ 0.70
- ☐ 0.69
- ☐ 0.68
- ☐ 0.68
- ☐ 0.67
- ☐ 0.67
- ☐ 0.66
- ☐ 0.64
- ☐ 0.64
- ☐ 0.63
- ☐ 0.63
- ☐ 0.63
- ☐ 0.61
- ☐ 0.61
- ☐ 0.61
- ☐ 0.61
- ☐ 0.60
- ☐ 0.60
- ☐ 0.58
- ☐ 0.57
- ☐ 0.57
- ☐ 0.56
- ☐ 0.56
- ☐ 0.54

Sentiment of songs by nationality and year (stacked bar chart)







1954 - Year with the highest average sentiment (0.31)



1954

[illegible]

- ☐ "Cara Mia"
- ☐ "My Son, My Son"
- ☐ "Oh Mein Papa"
- ☐ "Three Coins in the Fountain"

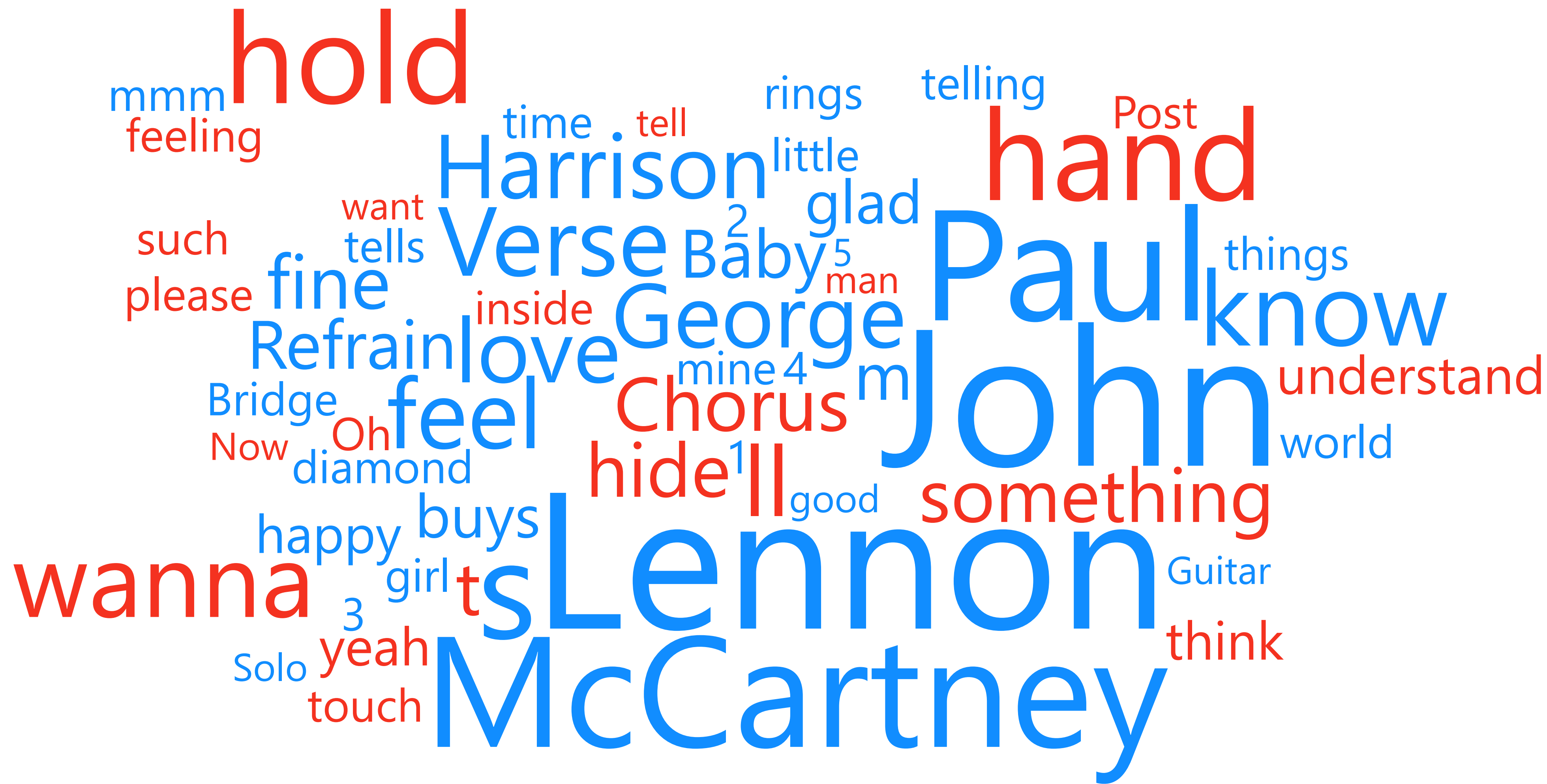
- ☐ David Whitfield
- ☐ Eddie Calvert
- ☐ Frank Sinatra
- ☐ Vera Lynn



Song_Title

☐ "I Feel Fine"

☐ "I Want to Hold Your Hand"



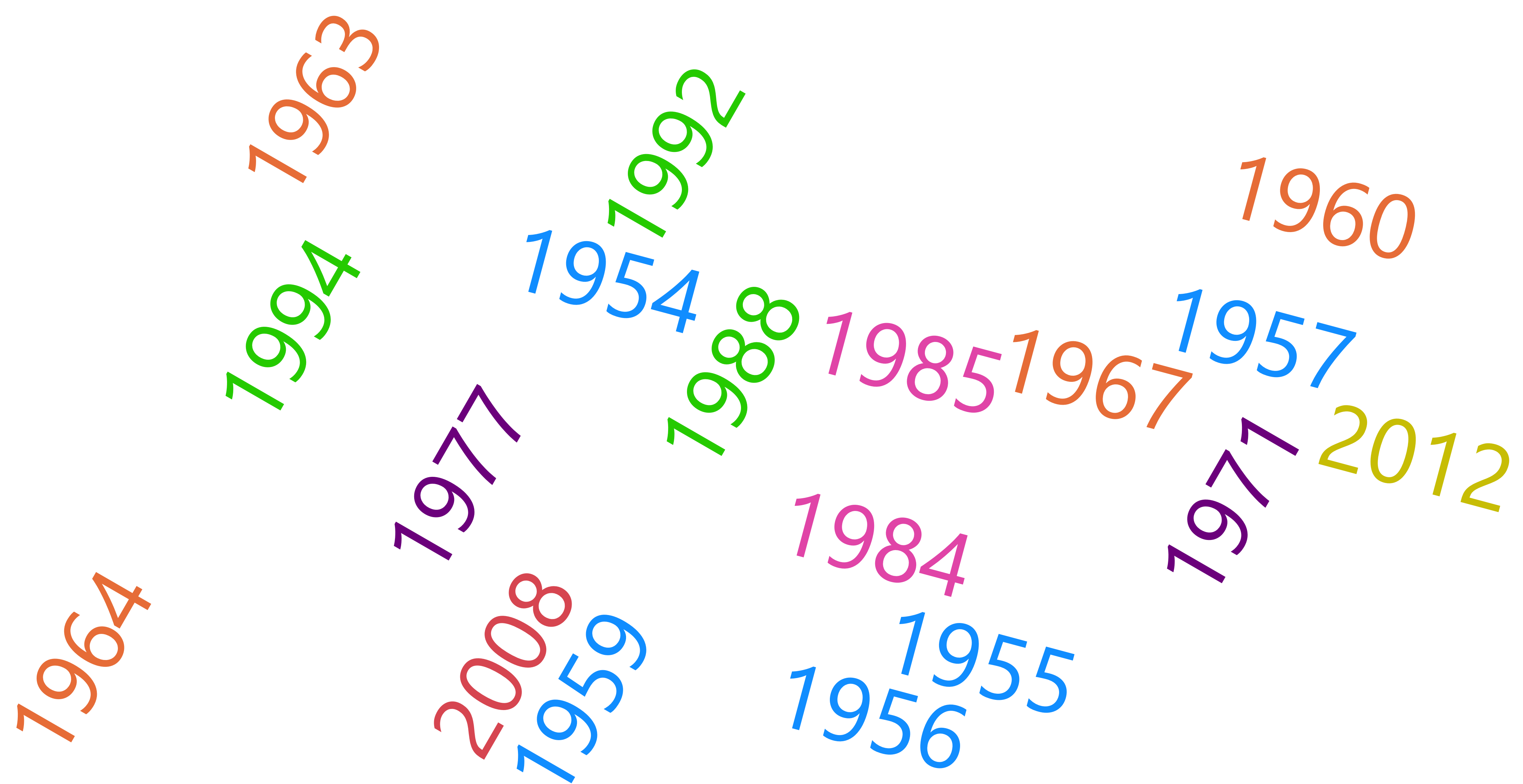


2012 - Of songs containing the words, "Love" and "Happy", the only number 1 in the past decade with a sentiment of at least 0.2 is Gotye's "Somebody That I used to Know" from 2012





2012 - The only year in the past decade with an average sentiment of at least 0.18 (*Word Cloud includes the other years which match this average)



[illegible]

- ☐ "Three Coins in the Fountain"
- ☐ "Spirit in the Sky"
- ☐ "Perfect Moment"
- ☐ "I'd Like to Teach the World to Sing (In ..."
- ☐ "Hall of Fame"
- ☐ "Can We Fix It?"
- ☐ "Atomic"

- ☐ Blondie
- ☐ Bob the Builder
- ☐ Doctor and the Medics
- ☐ Frank Sinatra
- ☐ Gareth Gates and The Kum...
- ☐ Martine McCutcheon
- ☐ Norman Greenbaum
- ☐ The New Seekers
- ☐ The Script featuring will.i.am

☐ 1954

☐ 1970

☐ 1972

☐ 1980

☐ 1986

☐ 1999

☐ 2000

☐ 2012



1996 - Year with the lowest average sentiment (0.02)



1996



1996 lyrics with sentiment under 0.02 (The year with the lowest average sentiment)



Song_Title

- ☐ "Breathe"
- ☐ "Don't Look Back in Anger"
- ☐ "Firestarter"
- ☐ "Flava"
- ☐ "Return of the Mack"
- ☐ "Setting Sun"
- ☐ "Spaceman"
- ☐ "Three Lions"

Artist

- ☐ Babylon Zoo
- ☐ Baddiel, Skinner & The Lig...
- ☐ Mark Morrison
- ☐ Oasis
- ☐ Peter Andre
- ☐ The Chemical Brothers
- ☐ The Prodigy

[illegible]

[illegible]



The four years with the lowest average sentiment (between 0.02-0.04)





Lyrics sample of 1969, 1996, 2015, and 2016 with sentiment under 0.04 (The four years with the lowest average sentiment)



Song_Title

- ☐ "7 Years"
- ☐ "A Bridge over You"
- ☐ "Bad Moon Rising"
- ☐ "Dizzy"
- ☐ "Hello"
- ☐ "I Took a Pill in Ibiza"
- ☐ "Je t'aime... moi non plus"
- ☐ "Marvin Gaye"
- ☐ "Pillowtalk"
- ☐ "Stitches"
- ☐ "Two Little Boys"
- ☐ "What Do You Mean?"

Artist

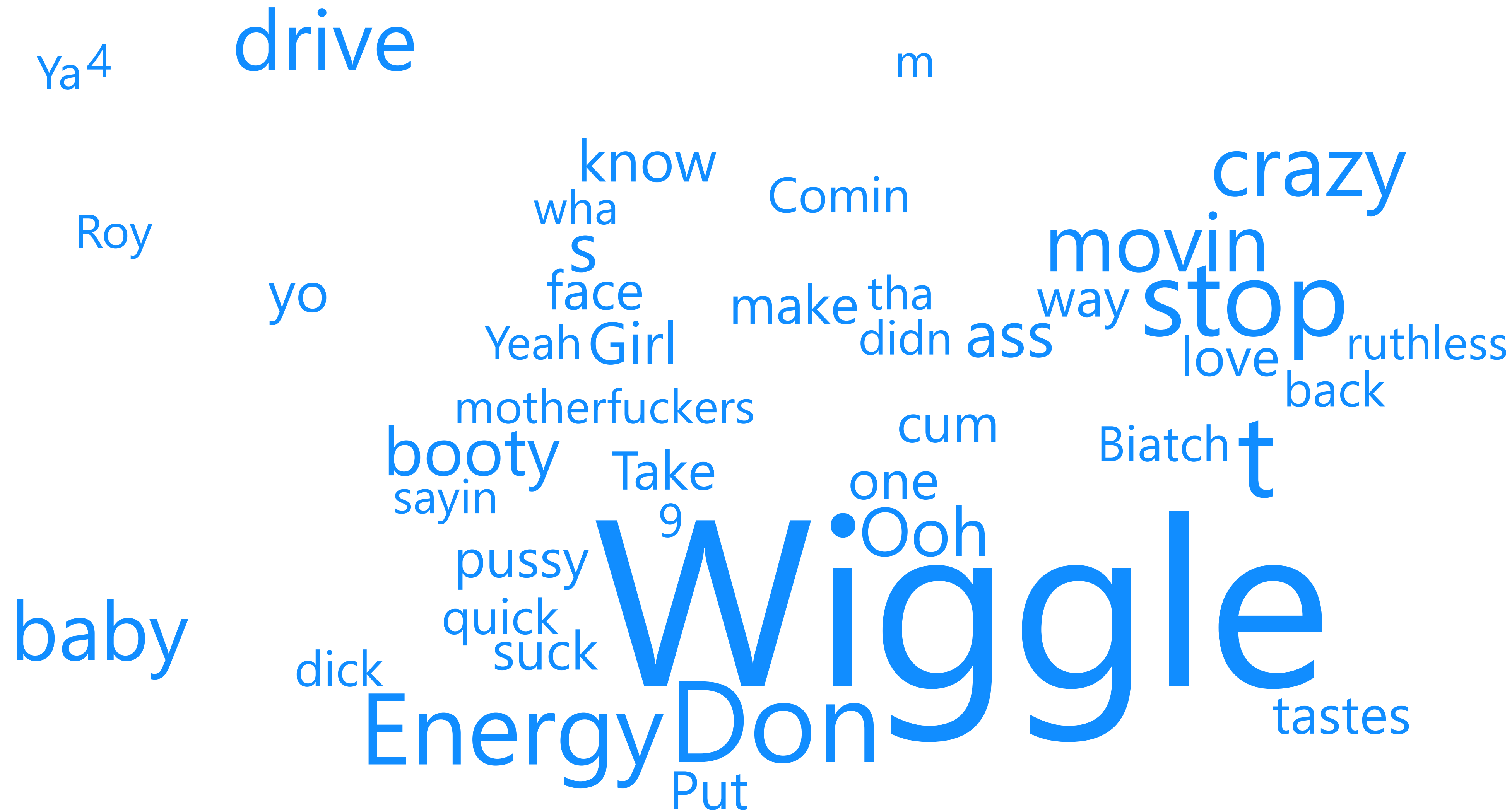
- ☐ Adele
- ☐ Charlie Puth featuring Meg...
- ☐ Creedence Clearwater Revi...
- ☐ Jane Birkin and Serge Gain...
- ☐ Justin Bieber
- ☐ Lewisham and Greenwich ...
- ☐ Lukas Graham
- ☐ Mike Posner
- ☐ Rolf Harris
- ☐ Shawn Mendes
- ☐ Tommy Roe
- ☐ ZAYN

Year

- ☐ 1969
 - ☐ 2015
 - ☐ 2016



1994 - Of songs containing the words, "Ass" and "Pussy", the first number 1 with a negative sentiment is "Don't Stop" by The Outthere Brothers





Song_Title

☐ "Stan"

☐ "The Real Slim Shady"



[illegible]

[illegible]



Sentiment comparison of milestone years in the UK charts



1954 lyrics with sentiment over 0.31 (The year with the highest average sentiment)



1996 lyrics with sentiment under 0.02 (The year with the lowest average sentiment)



2015 & 2016 lyrics with sentiment under 0.04 (The years with the lowest average sentiment in the past decade, and in the bottom four years for sentiment of all time)



2018 lyrics with sentiment under 0.08 (A recent year with clear evidence of containing explicit language)



Five number 1s with a surprising sentiment of less than -0.2

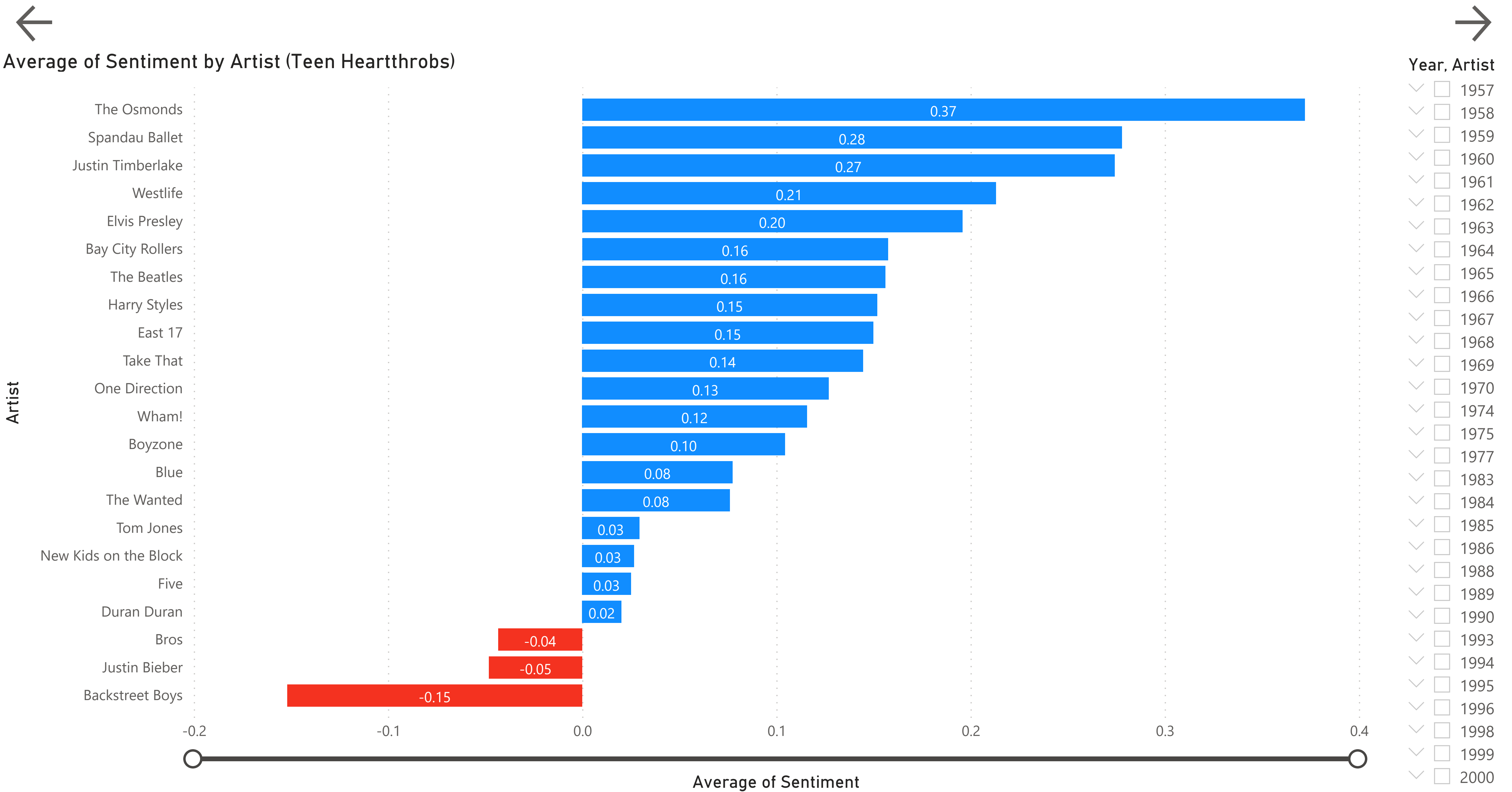


- Song_Title

 - ☐ "Call Me Maybe"
 - ☐ "Crazy"
 - ☐ "Don't Look Back in Anger"
 - ☐ "Millennium"
 - ☐ "Spectrum (Say My Name) ..."
- Artist

 - ☐ Carly Rae Jepsen
 - ☐ Florence and the Machine
 - ☐ Gnarls Barkley
 - ☐ Oasis
 - ☐ Robbie Williams
- Year

 - ☐ 1996
 - ☐ 1998
 - ☐ 2006
 - ☐ 2012



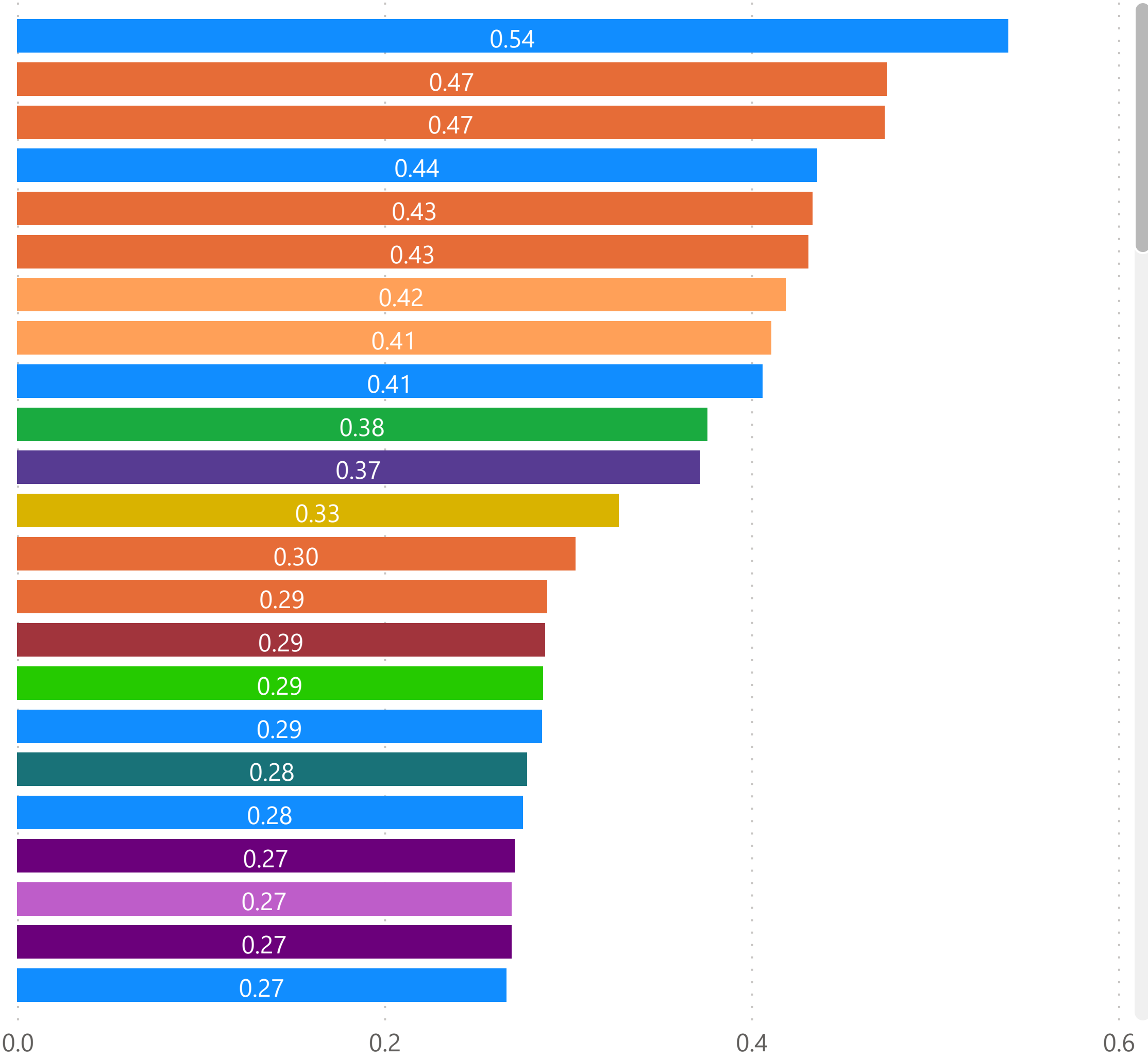


Sentiment by Song (Teen Heartthrobs)

Artist Backstre... Bay City ... Blue Boyzone Bros Duran D... East 17 Elvis Pre... Five Harry St... Justin Bi... Justin Ti... New Kid... One Dir... Spanda...

Song

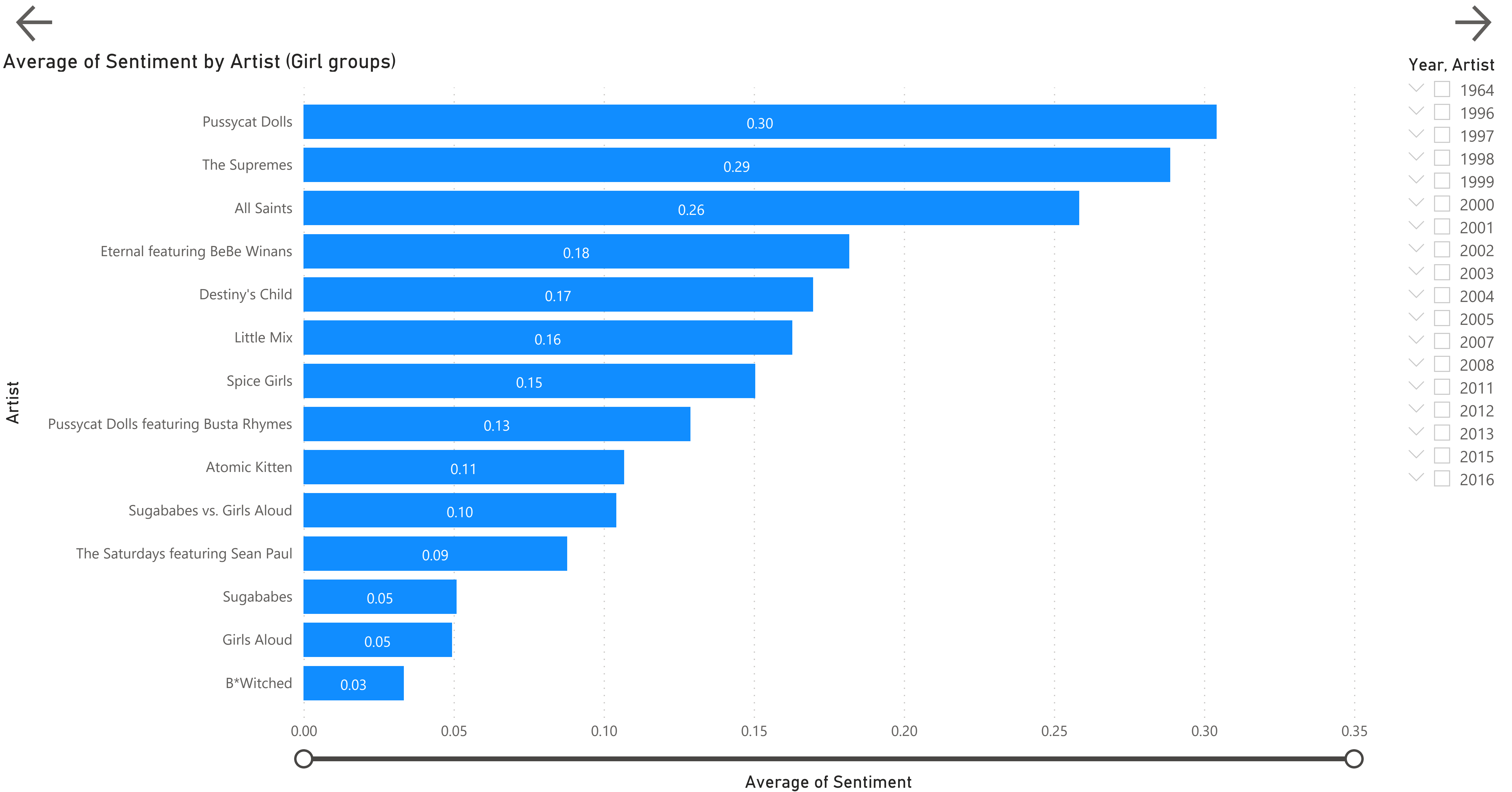
"(You're the) Devil in Disguise"
"All You Need Is Love"
"Can't Buy Me Love"
"Good Luck Charm"
"I Want to Hold Your Hand"
"I Feel Fine"
"You Raise Me Up"
"Unbreakable"
"Surrender"
"Sure"
"Love Me for a Reason"
"What Makes You Beautiful"
"From Me to You"
"She Loves You"
"You Got It (The Right Stuff)"
"SexyBack"
"Wooden Heart"
"True"
"All Shook Up"
"All That I Need"
"I'm Your Man"
"No Matter What"
"The Wonder of You"

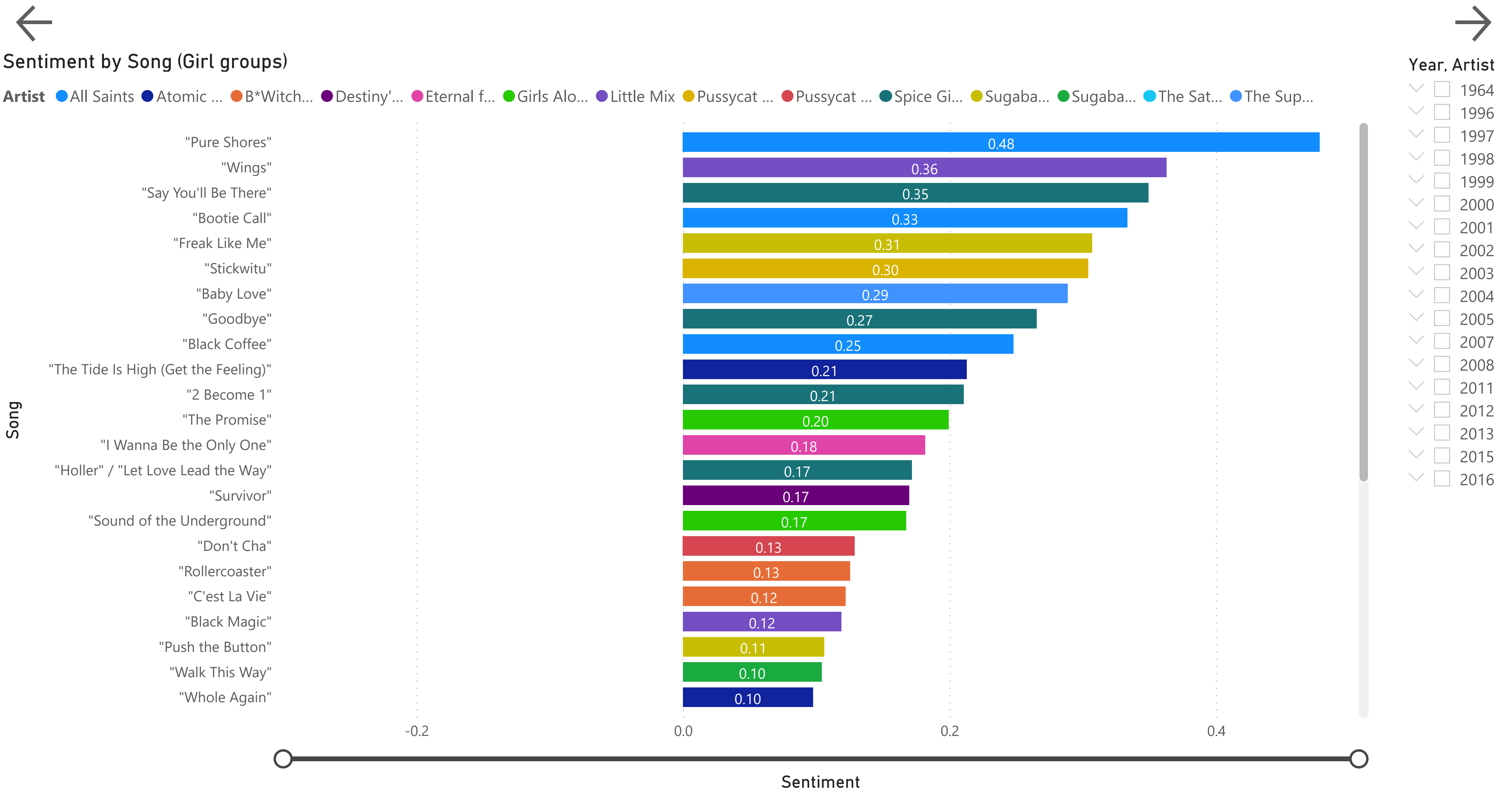


Sentiment

Year, Artist

- 1957
- 1958
- 1959
- 1960
- 1961
- 1962
- 1963
- 1964
- 1965
- 1966
- 1967
- 1968
- 1969
- 1970
- 1974
- 1975
- 1977
- 1983
- 1984
- 1985
- 1986
- 1988
- 1989
- 1990
- 1993
- 1994
- 1995
- 1996
- 1998
- 1999
- 2000





"Pure Shores"

"Wings"

"Say You'll Be There"

"Bootie Call"

"Freak Like Me"

"Stickwitu"

"Baby Love"

"Goodbye"

"Black Coffee"

"The Tide Is High (Get the Feeling)"

"2 Become 1"

"The Promise"

"I Wanna Be the Only One"

"Holler" / "Let Love Lead the Way"

"Survivor"

"Sound of the Underground"

"Don't Cha"

"Rollercoaster"

"C'est La Vie"

"Black Magic"

"Push the Button"

"Walk This Way"

"Whole Again"

0.48

0.36

0.35

0.33

0.31

0.30

0.29

0.27

0.25

0.21

0.21

0.20

0.18

0.17

0.17

0.17

0.13

0.13

0.12

0.12

0.11

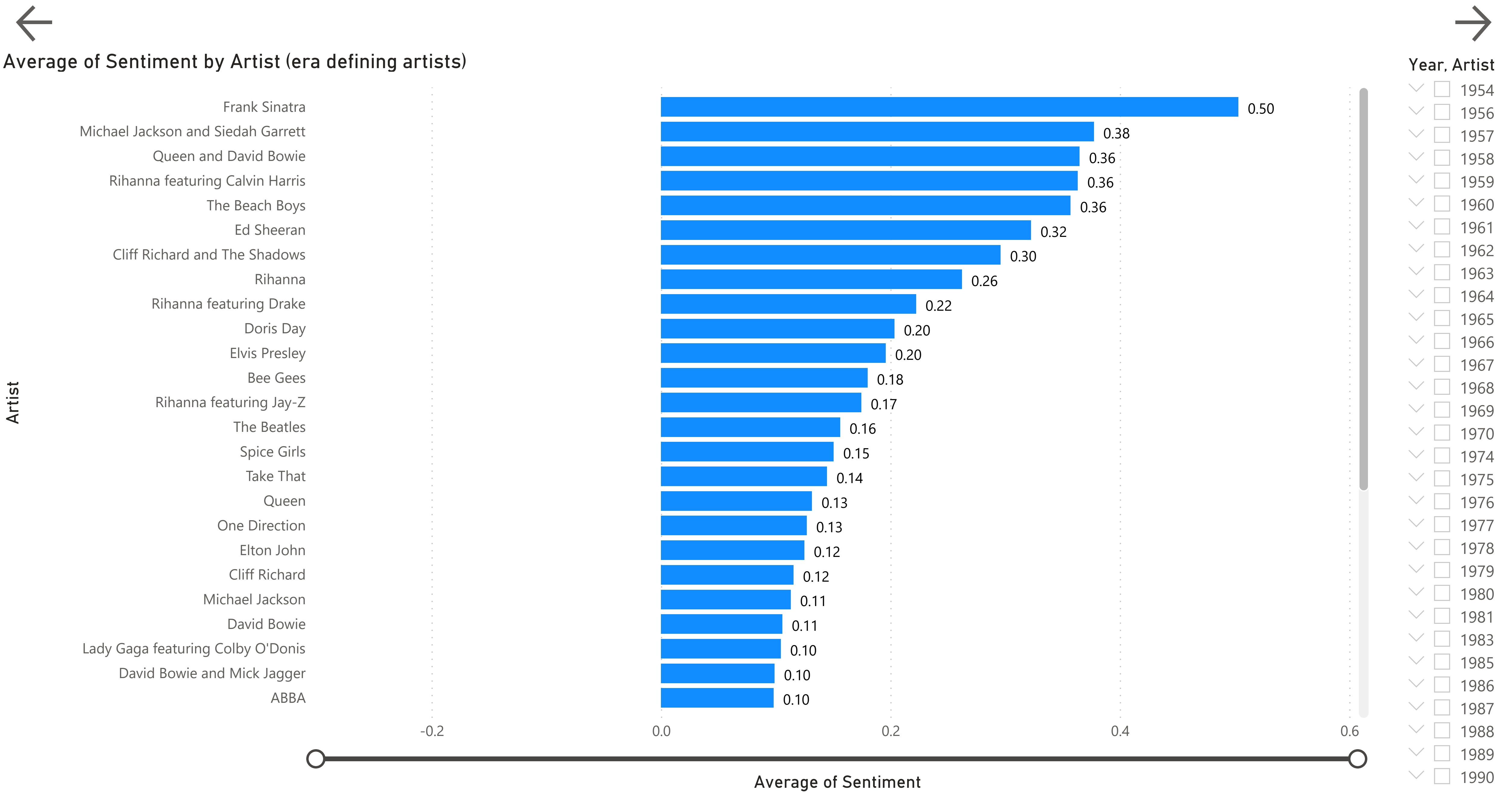
0.10

0.10

Sentiment

Year, Artist

- 1964
- 1996
- 1997
- 1998
- 1999
- 2000
- 2001
- 2002
- 2003
- 2004
- 2005
- 2007
- 2008
- 2011
- 2012
- 2013
- 2015
- 2016

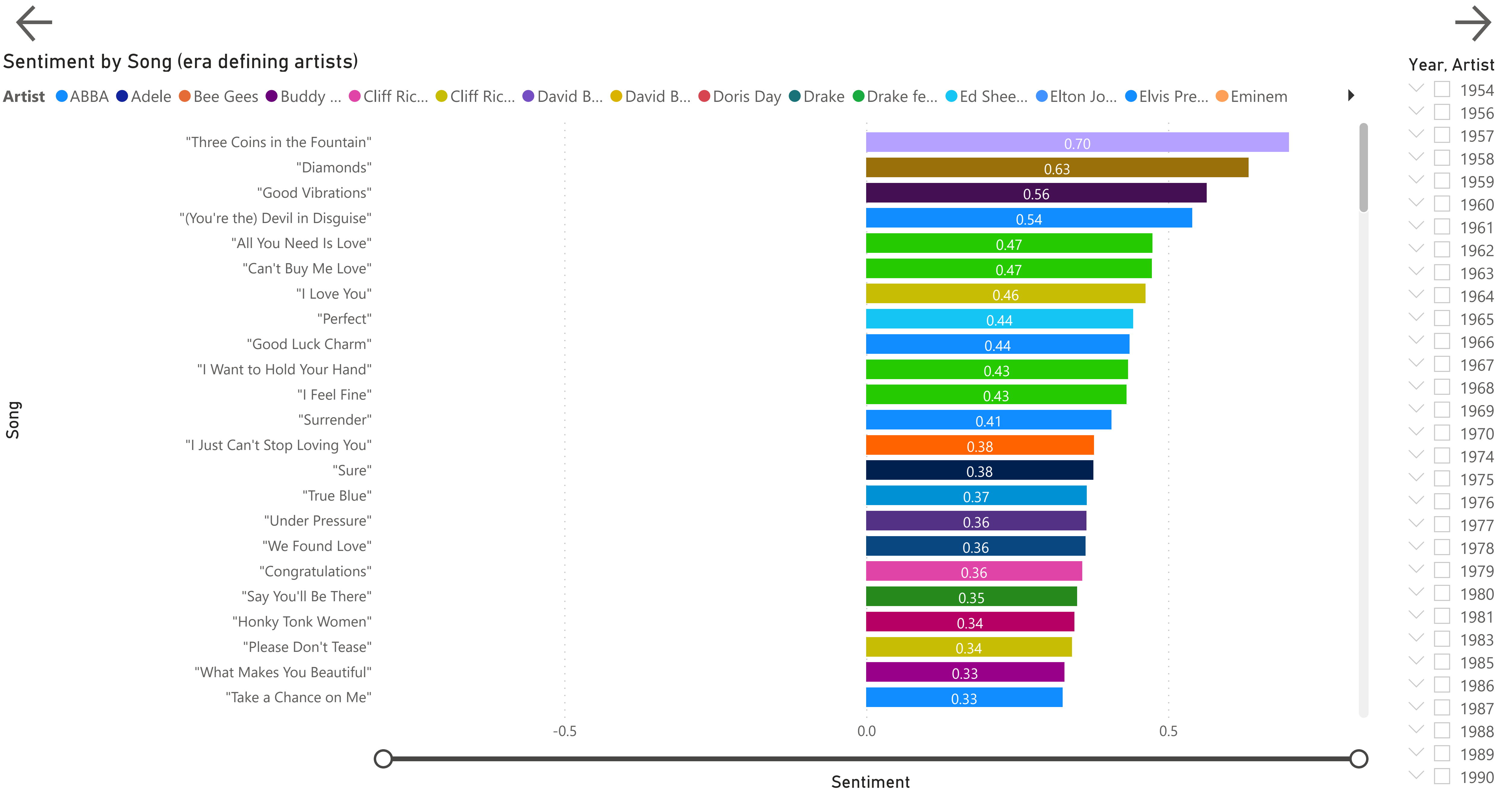


Average of Sentiment by Artist (era defining artists)

Artist

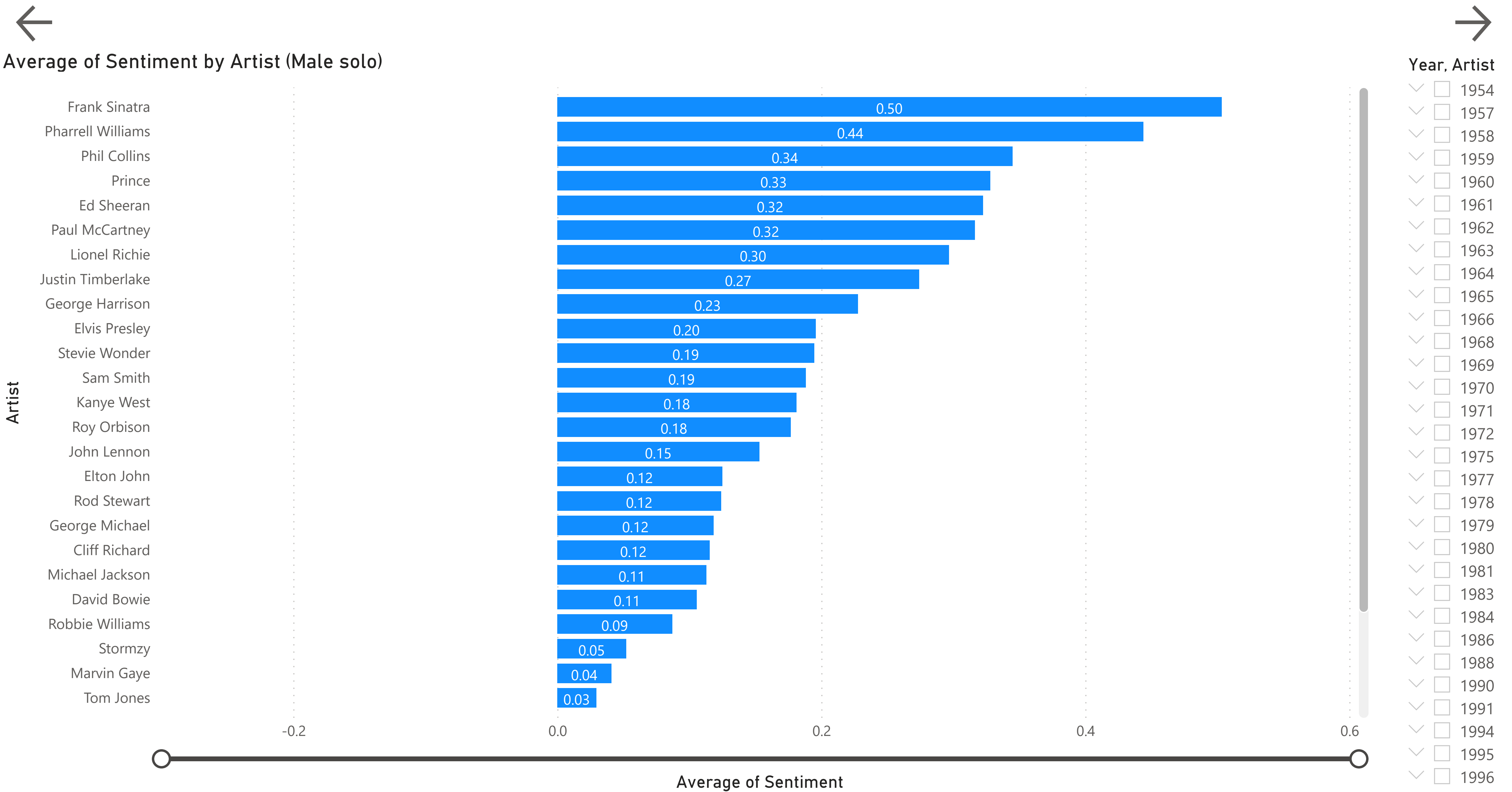
Year, Artist

- 1954
- 1956
- 1957
- 1958
- 1959
- 1960
- 1961
- 1962
- 1963
- 1964
- 1965
- 1966
- 1967
- 1968
- 1969
- 1970
- 1974
- 1975
- 1976
- 1977
- 1978
- 1979
- 1980
- 1981
- 1983
- 1985
- 1986
- 1987
- 1988
- 1989
- 1990



Song

Sentiment

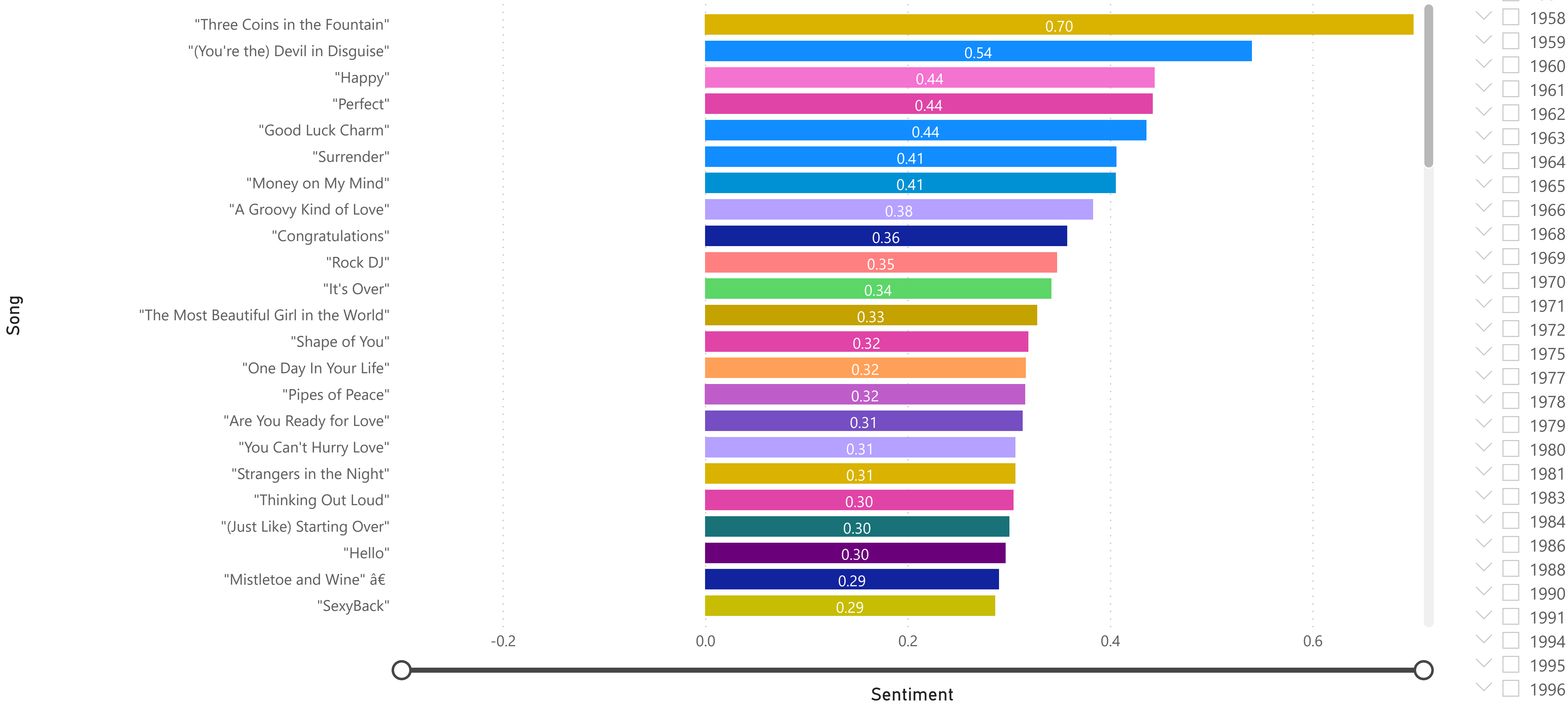


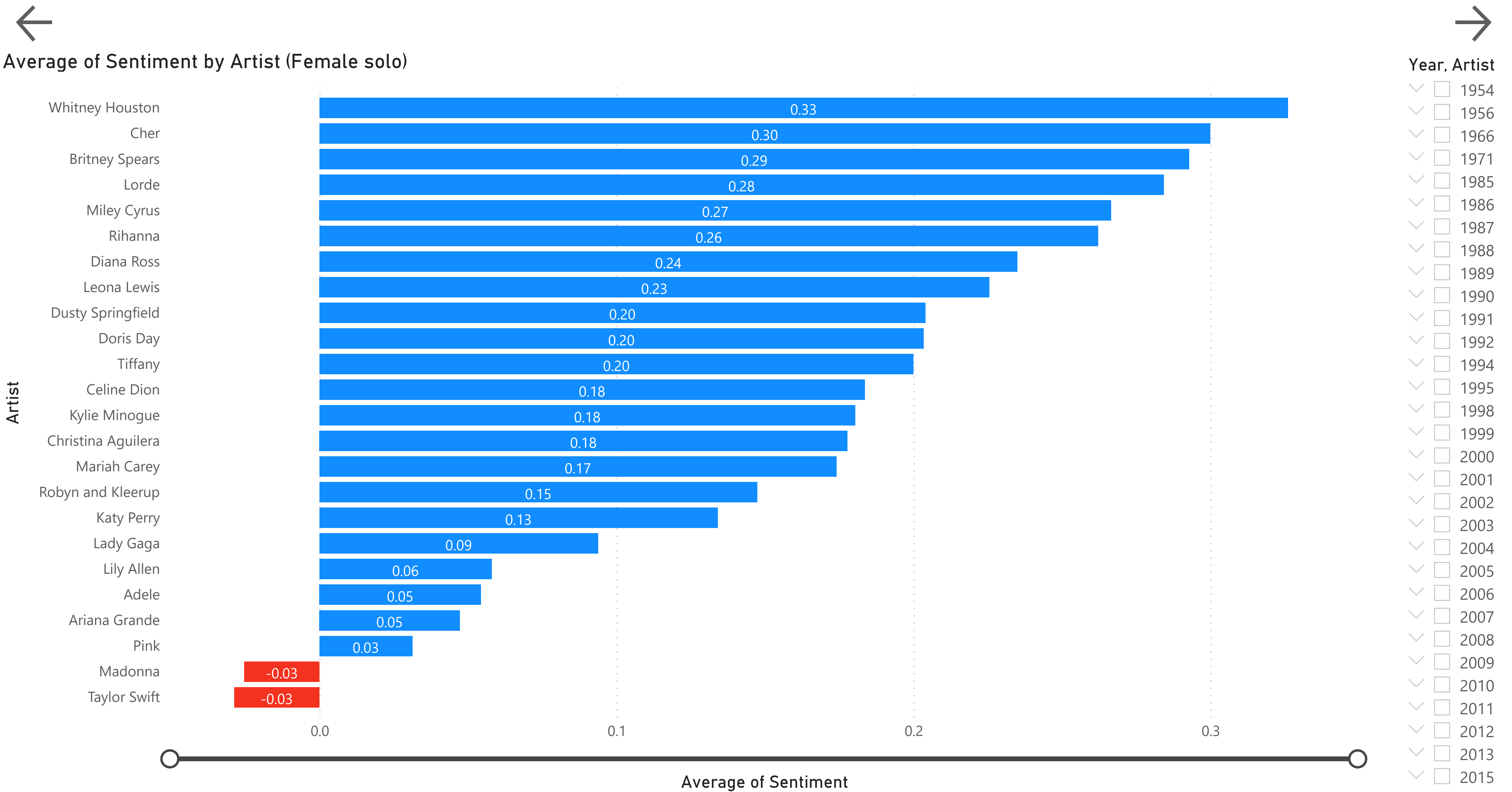


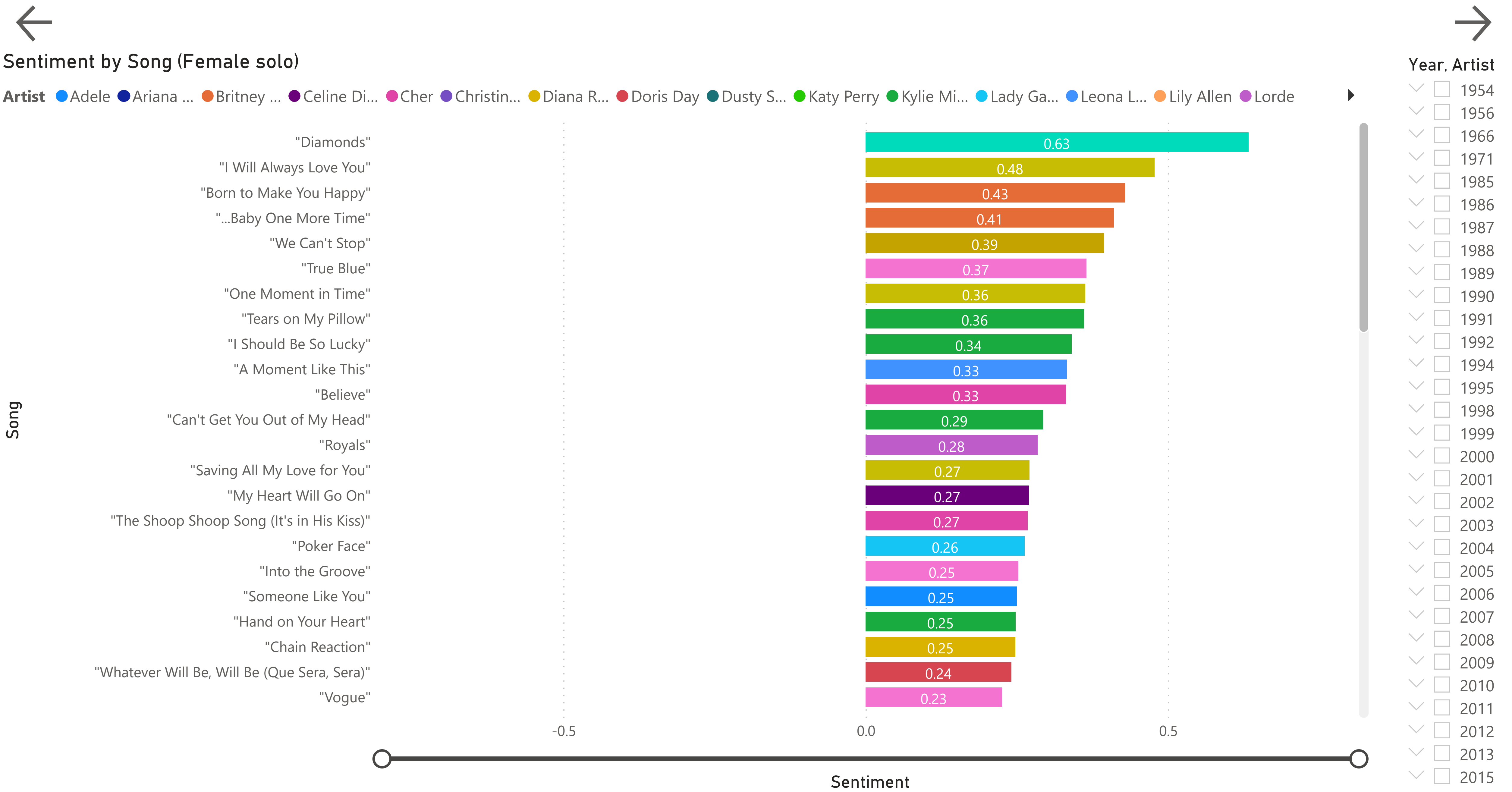
Artist ● Buddy ... ● Cliff Ric... ● David B... ● Drake ● Ed Sheeran ● Elton Jo... ● Elvis Pre... ● Eminem ● Frank Si... ● George ... ● George ... ● John Le... ● Justin Bi... ● Justin Ti...

Artist ● Buddy ... ● Cliff Ric... ● David B... ● Drake ● Ed Sheeran ● Elton Jo... ● Elvis Pre... ● Eminem ● Frank Si... ● George ... ● George ... ● John Le... ● Justin Bi... ● Justin Ti...

Year, Artist

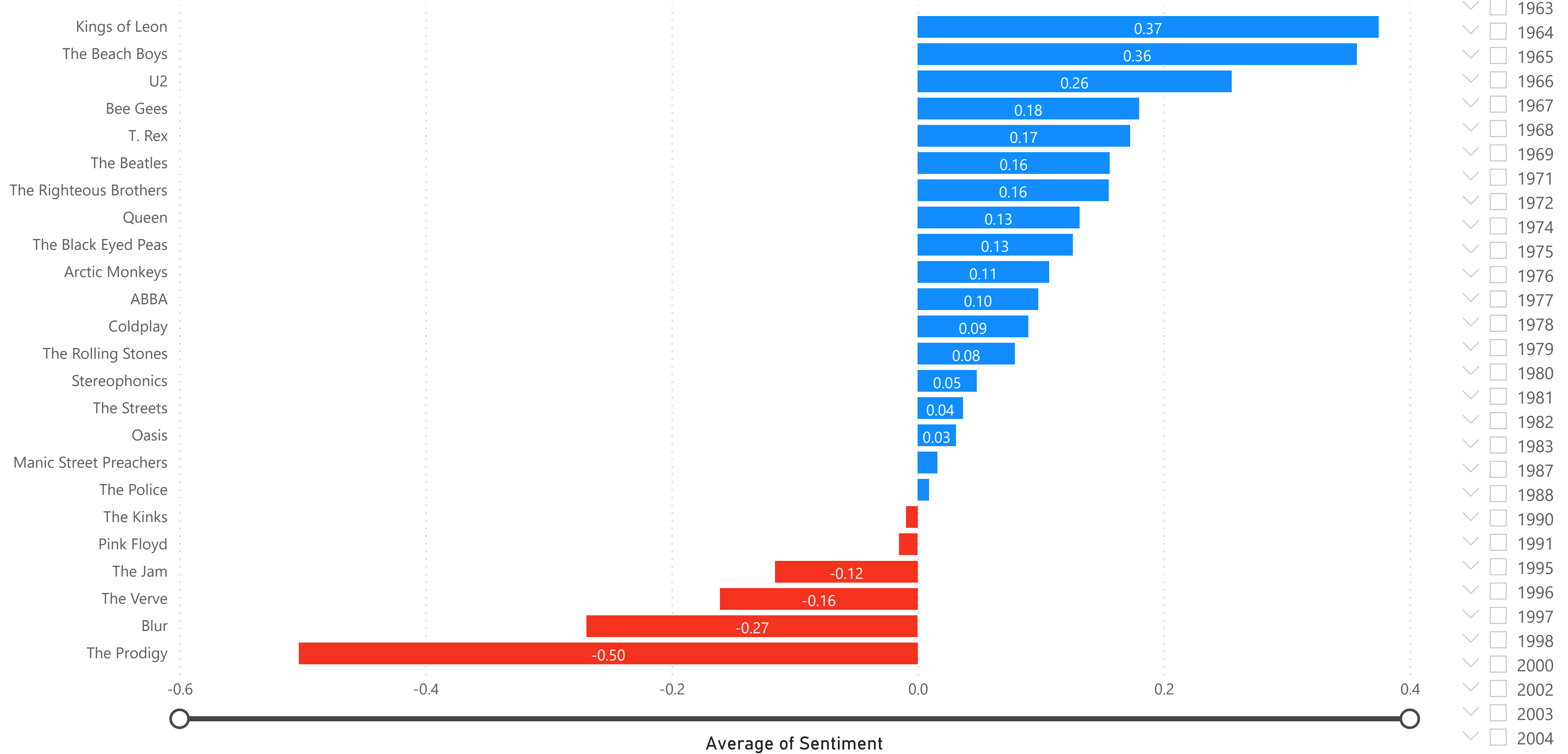


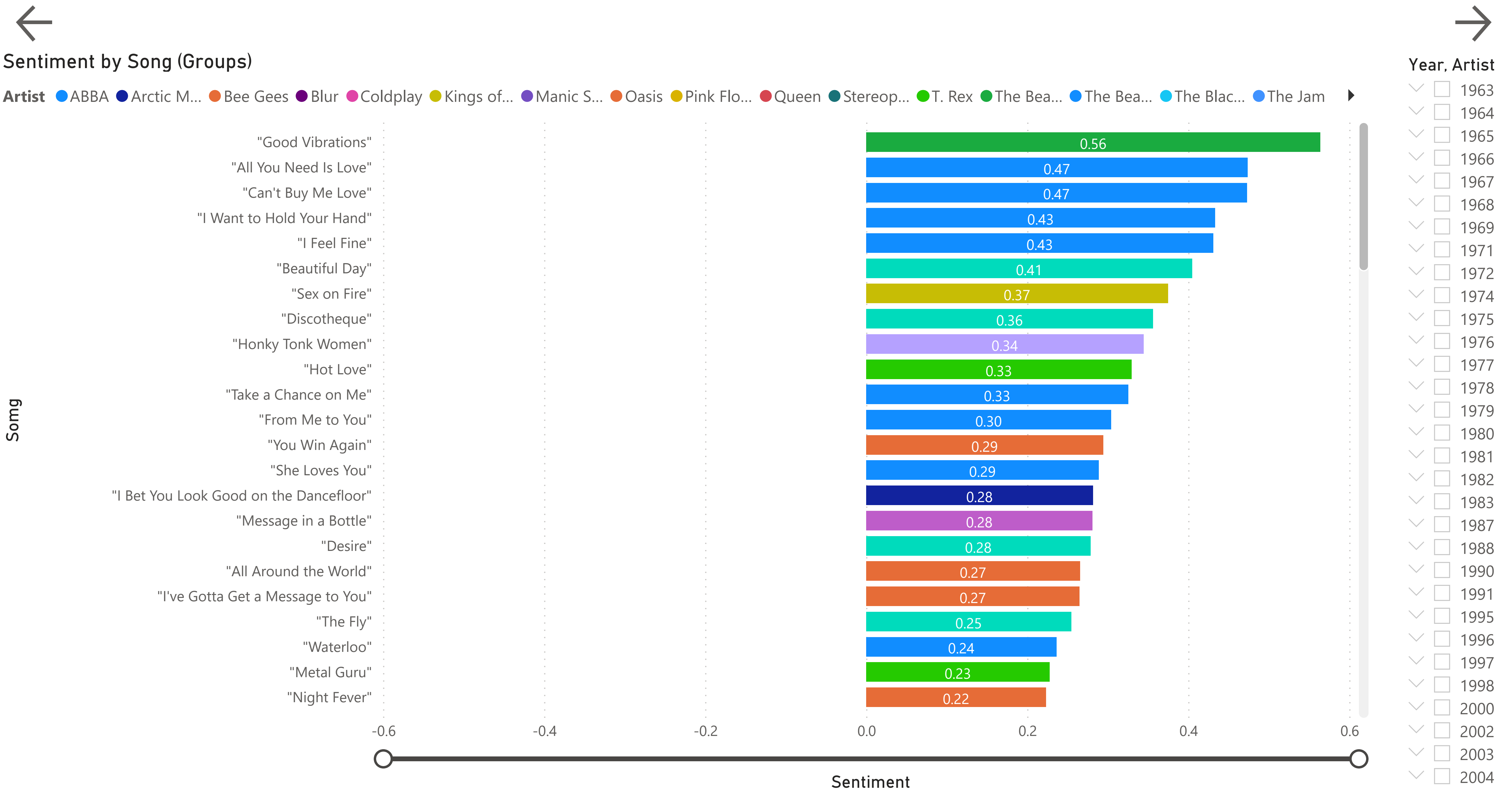






Year, Artist

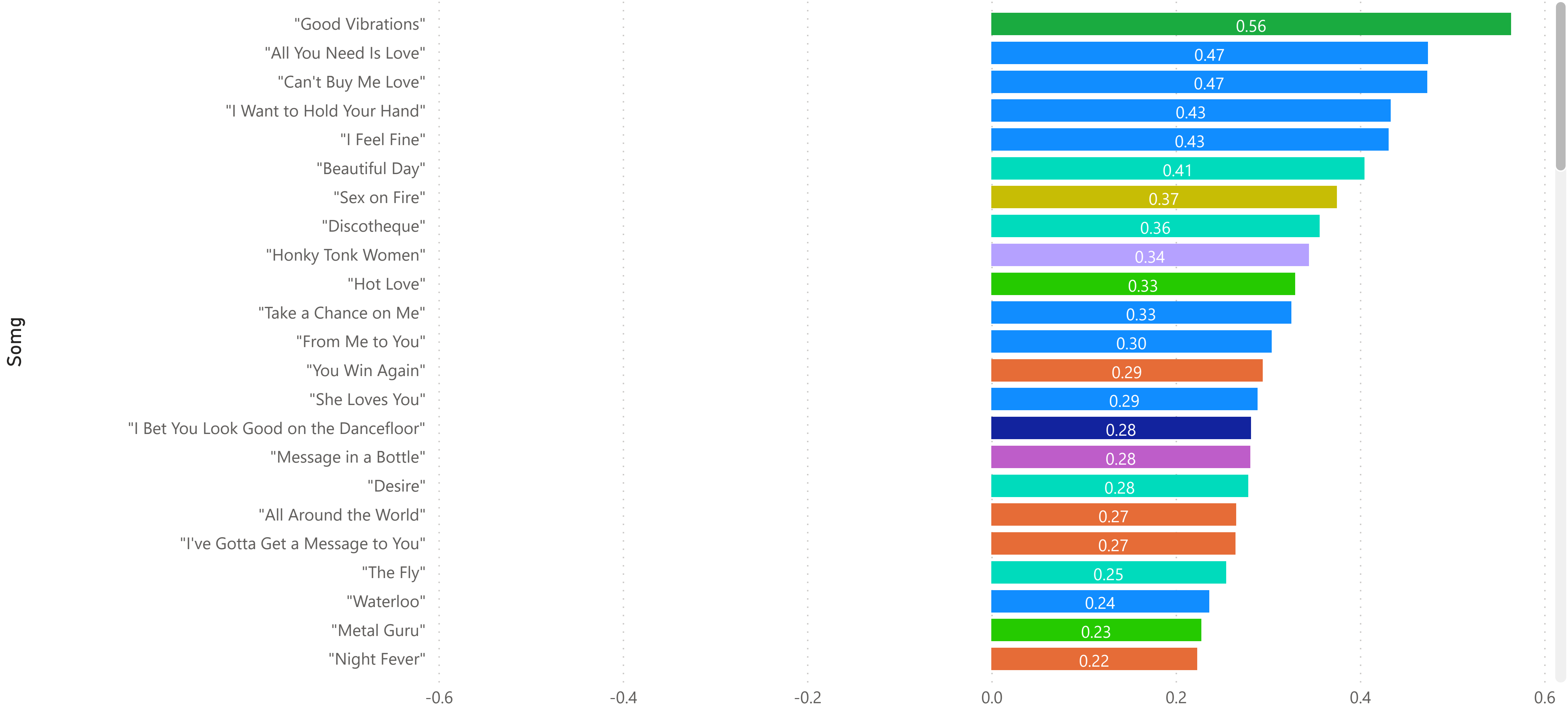




Sentiment by Song (Groups)

Artist ABBA Arctic M... Bee Gees Blur Coldplay Kings of... Manic S... Oasis Pink Flo... Queen Stereop... T. Rex The Bea... The Bea... The Blac... The Jam

Song



Sentiment

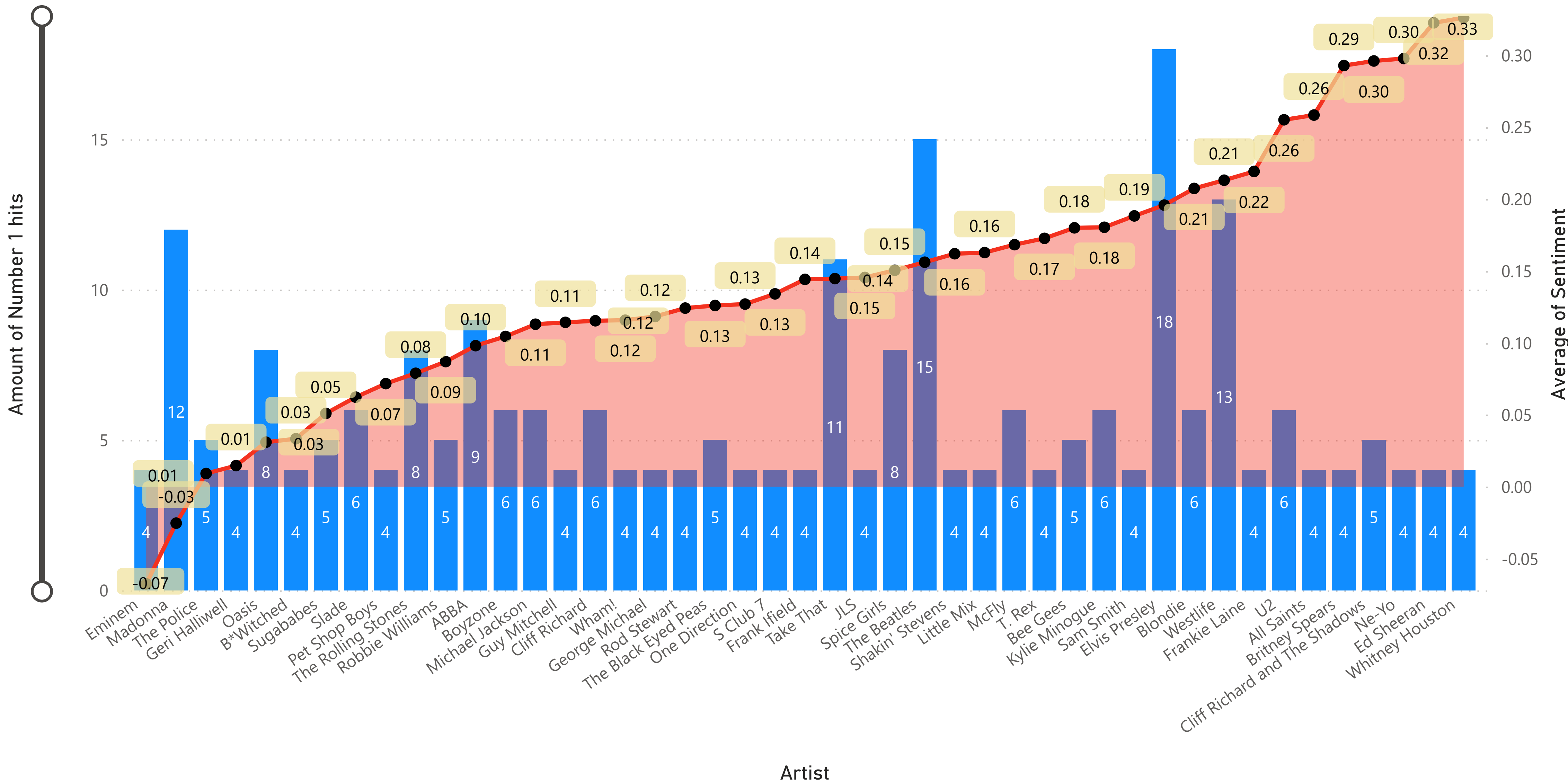
Year, Artist

- 1963
- 1964
- 1965
- 1966
- 1967
- 1968
- 1969
- 1971
- 1972
- 1974
- 1975
- 1976
- 1977
- 1978
- 1979
- 1980
- 1981
- 1982
- 1983
- 1987
- 1988
- 1990
- 1991
- 1995
- 1996
- 1997
- 1998
- 2000
- 2002
- 2003
- 2004



Average of Sentiment by Artist (with a minimum of 4 number 1s)

Amount of Number 1 hits Average of Sentiment



Amount of Number 1 hits

Average of Sentiment

Artist

Year

1952

1953

1954

1955

1956

1957

1958

1959

1960

1961

1962

1963

1964

1965

1966

1967

1968

1969

1970

1971

1972

1973

1974

1975

1976

1977

1978

1979

1980

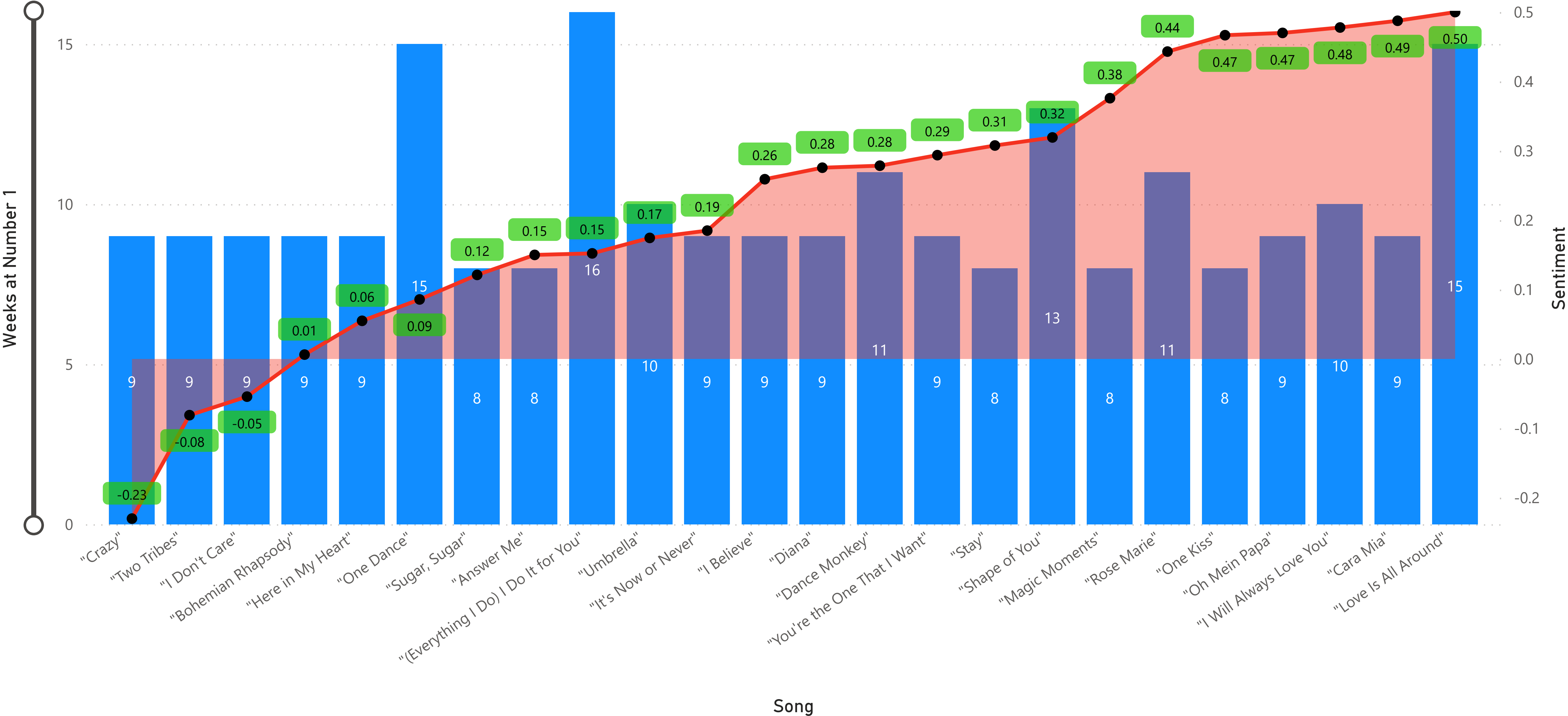
1981

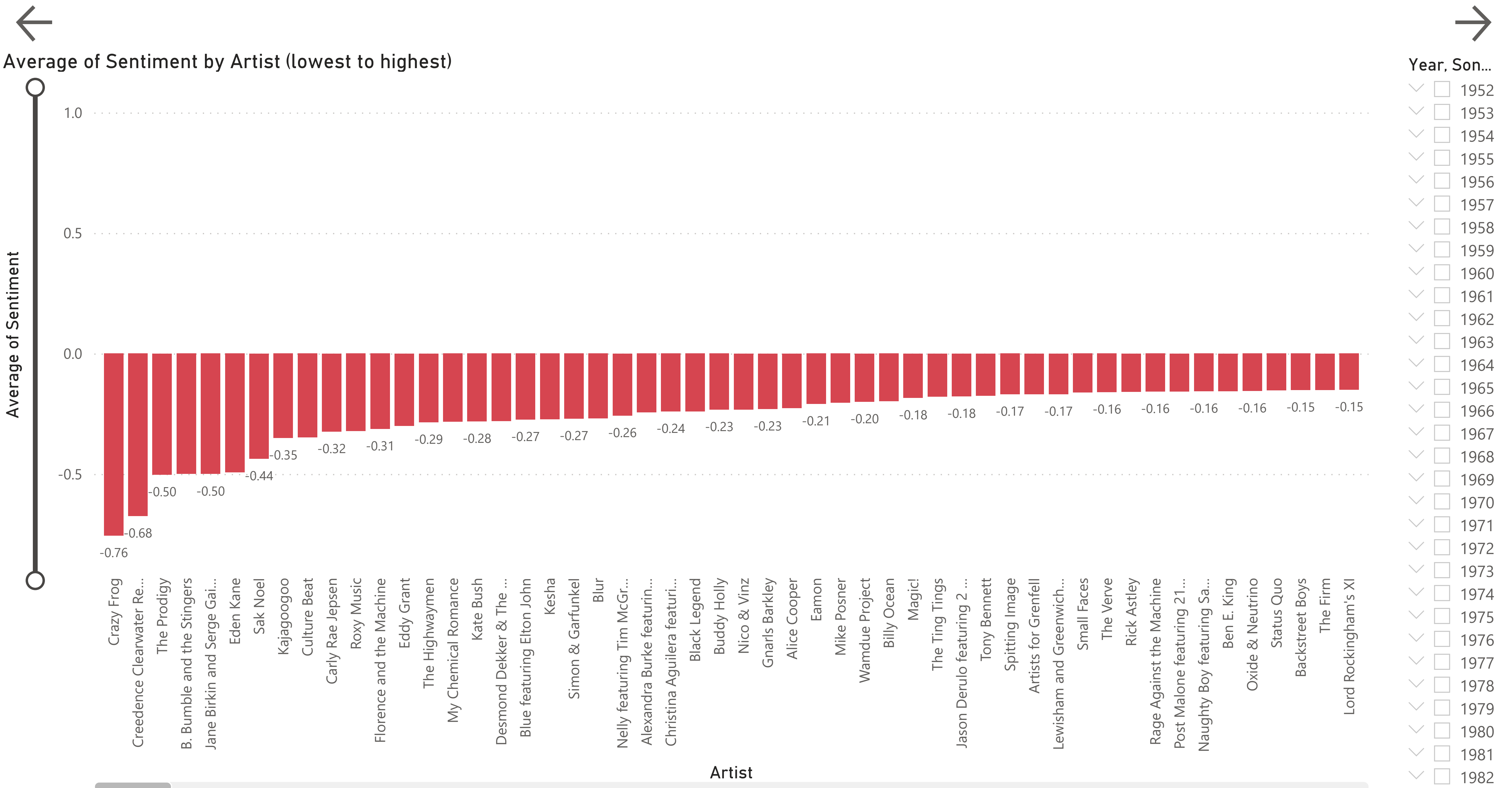
1982



Sentiment by Song (with minimum of 8 weeks at number 1)

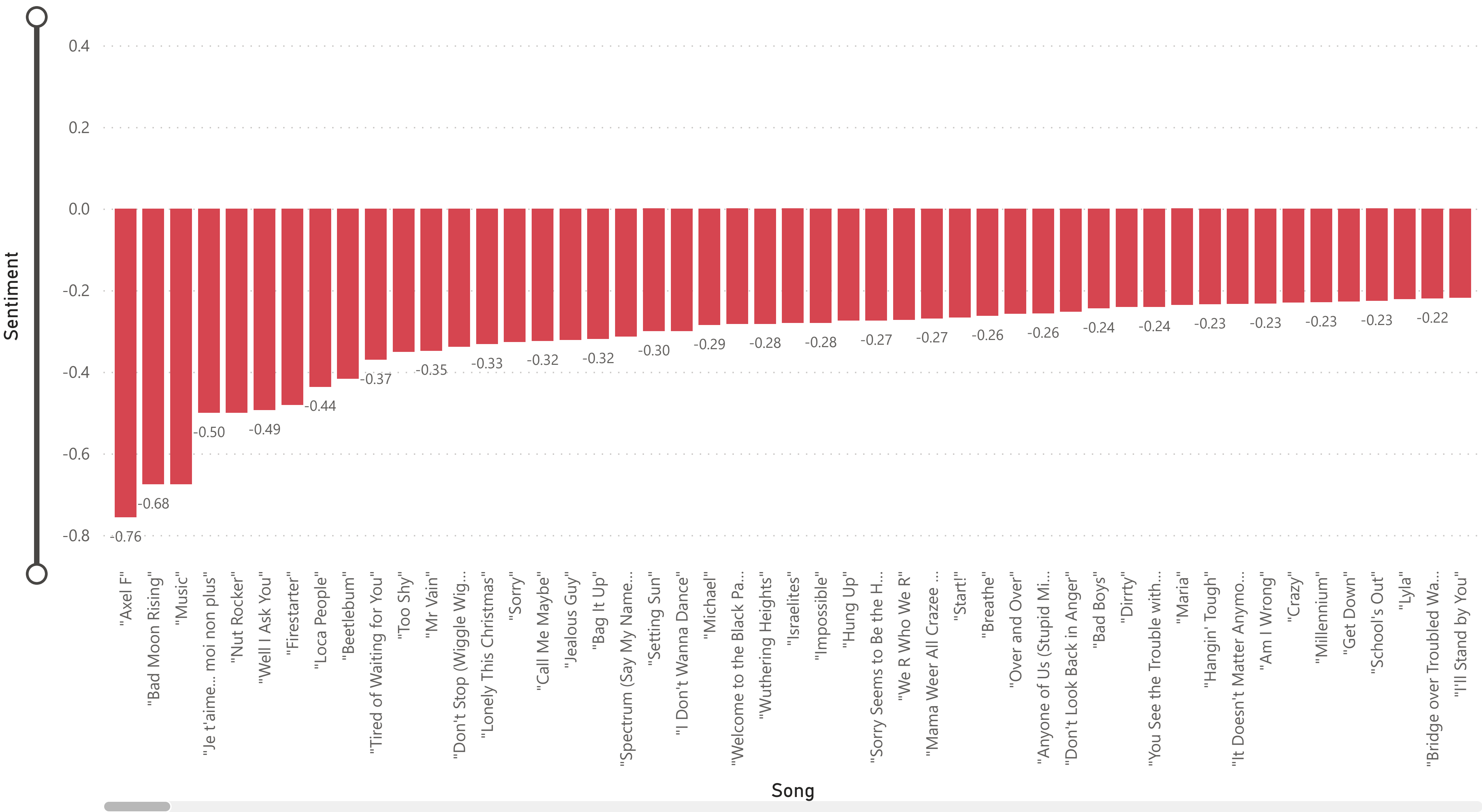
● Weeks at Number 1 ● Sentiment







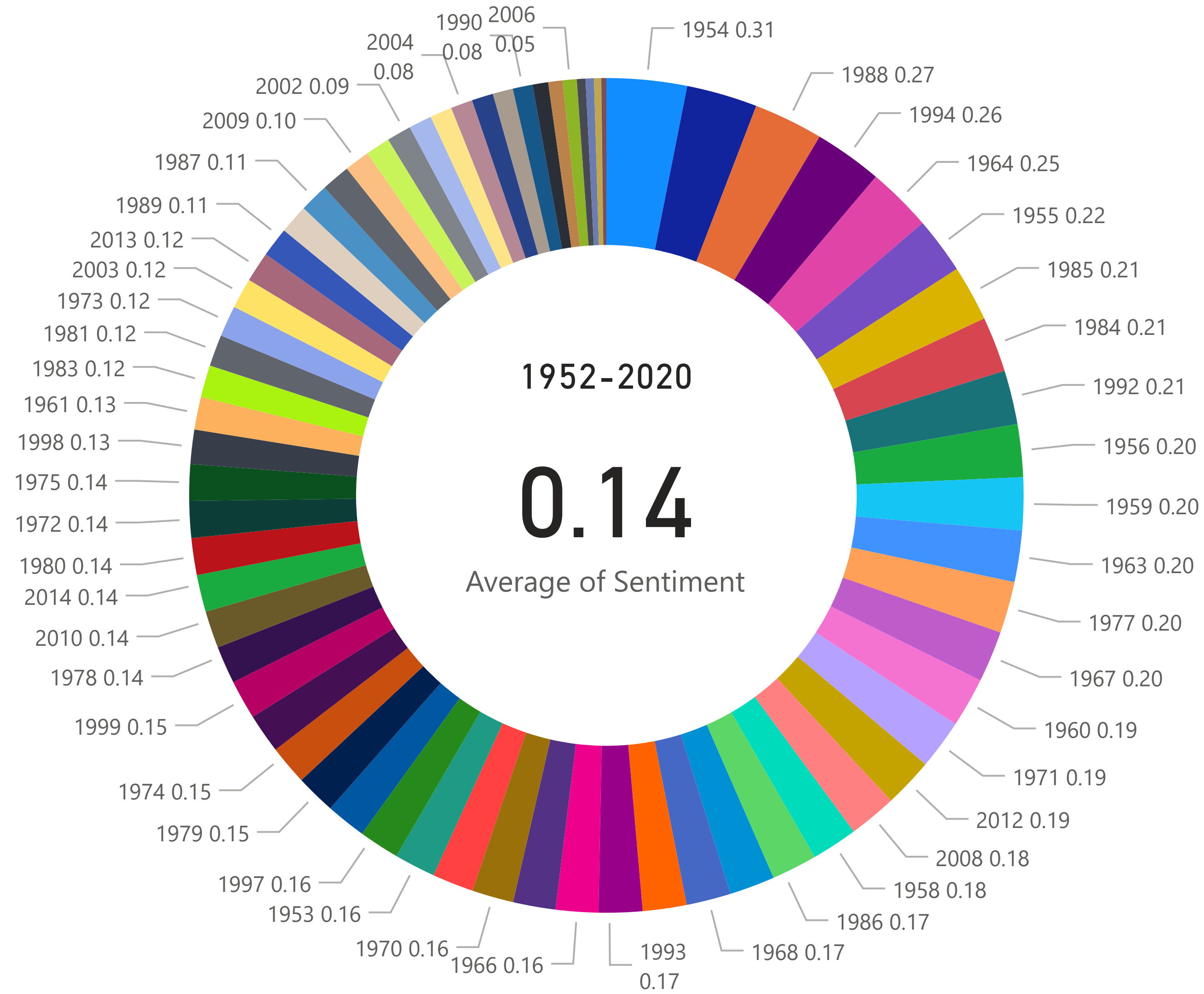
Sentiment by Song (lowest to highest)



Year, Son...

- < 1952
- < 1953
- < 1954
- < 1955
- < 1956
- < 1957
- < 1958
- < 1959
- < 1960
- < 1961
- < 1962
- < 1963
- < 1964
- < 1965
- < 1966
- < 1967
- < 1968
- < 1969
- < 1970
- < 1971
- < 1972
- < 1973
- < 1974
- < 1975
- < 1976
- < 1977
- < 1978
- < 1979
- < 1980
- < 1981
- < 1982

Average of Sentiment by Year (1952-2020)



Year

- 1954
- 1957
- 1988
- 1994
- 1964
- 1955
- 1985
- 1984
- 1992
- 1956
- 1959
- 1963
- 1977
- 1967
- 1960
- 1971
- 2012
- 2008
- 1958
- 1986
- 1976
- 1968



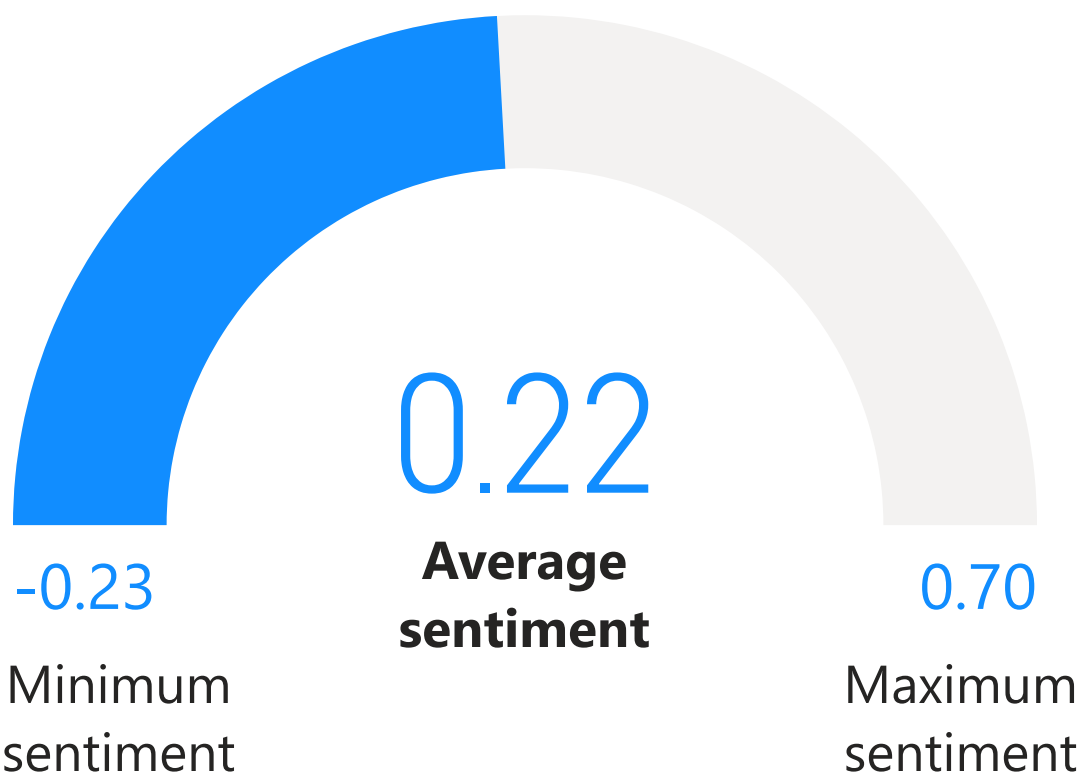
Average sentiment by decade

*Total number 1 songs in the data supplied. Actual number 1s is 1360



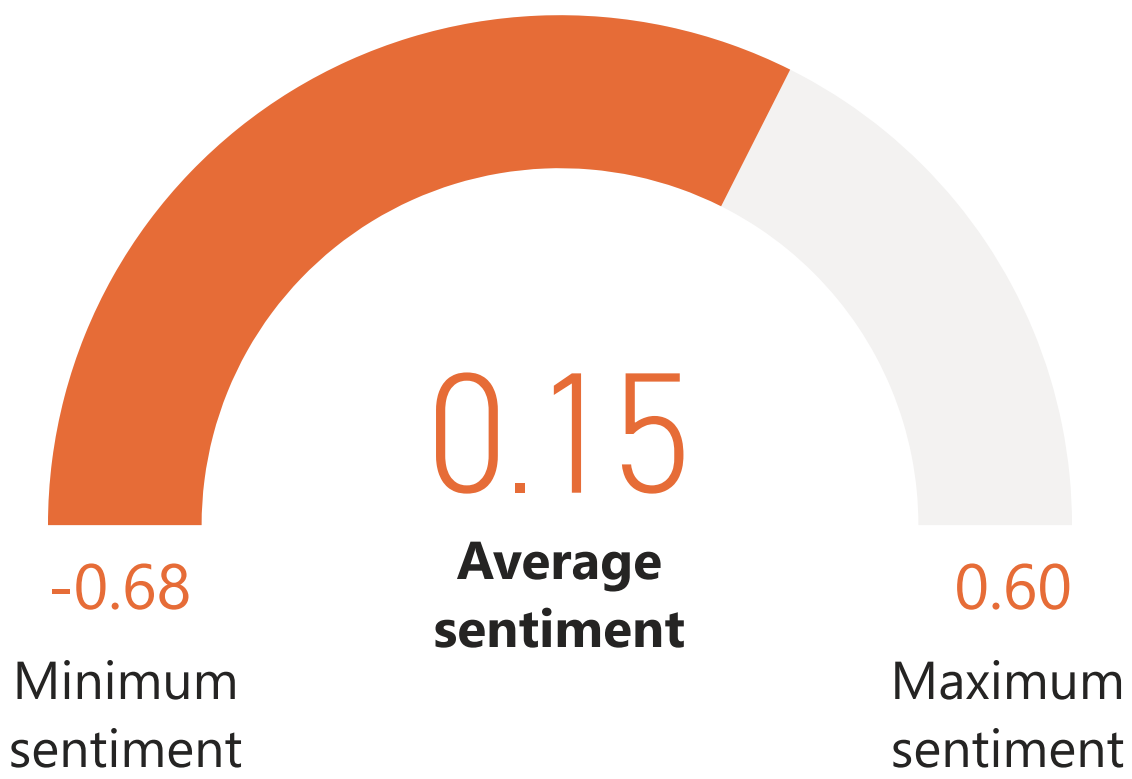
1950s

Number 1 songs - 80



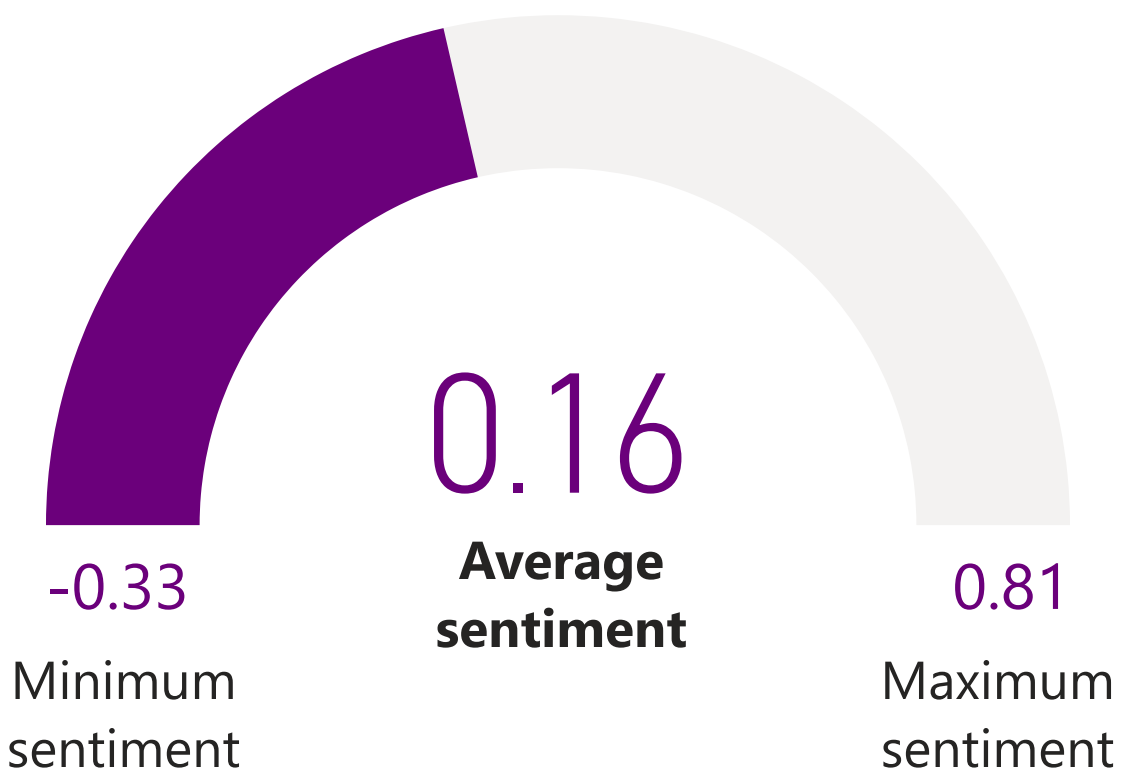
1960s

Number 1 songs - 165



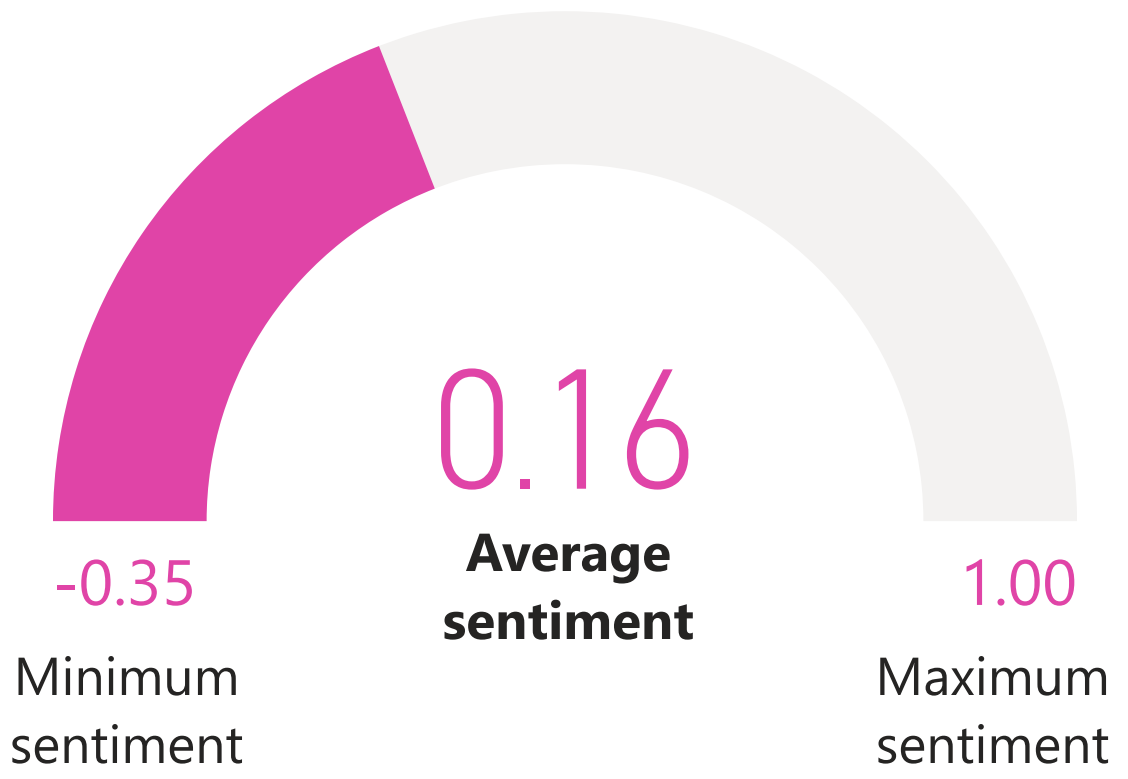
1970s

Number 1 songs - 157



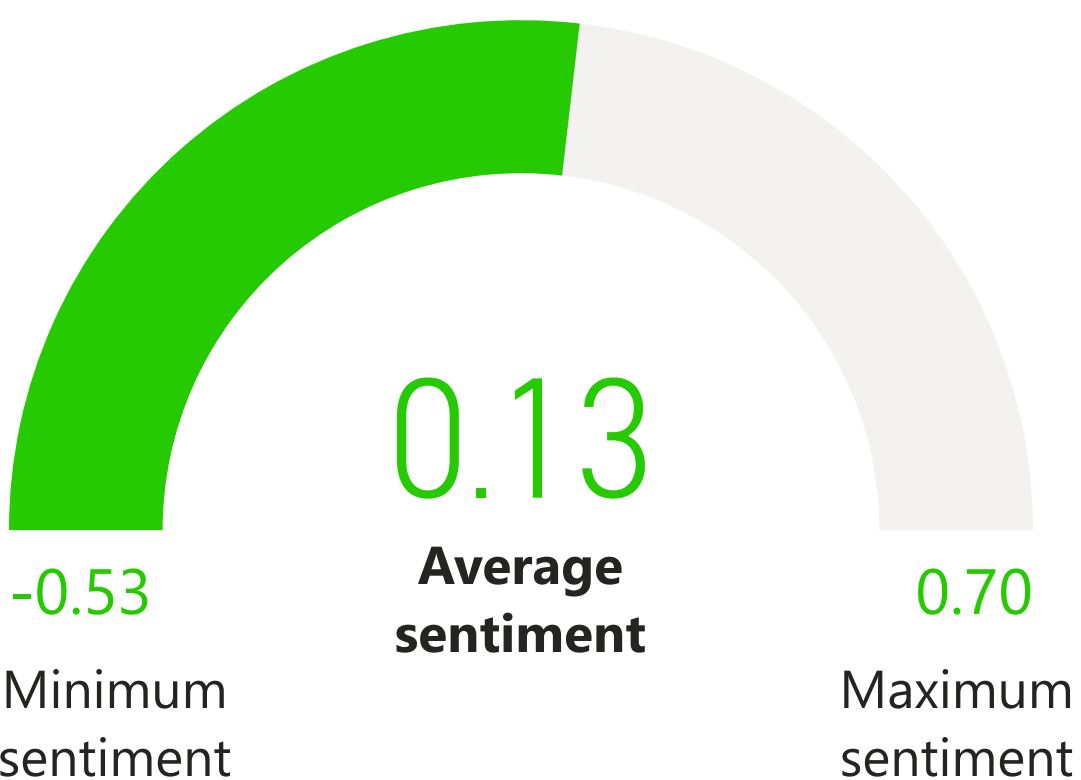
1980s

Number 1 songs - 175



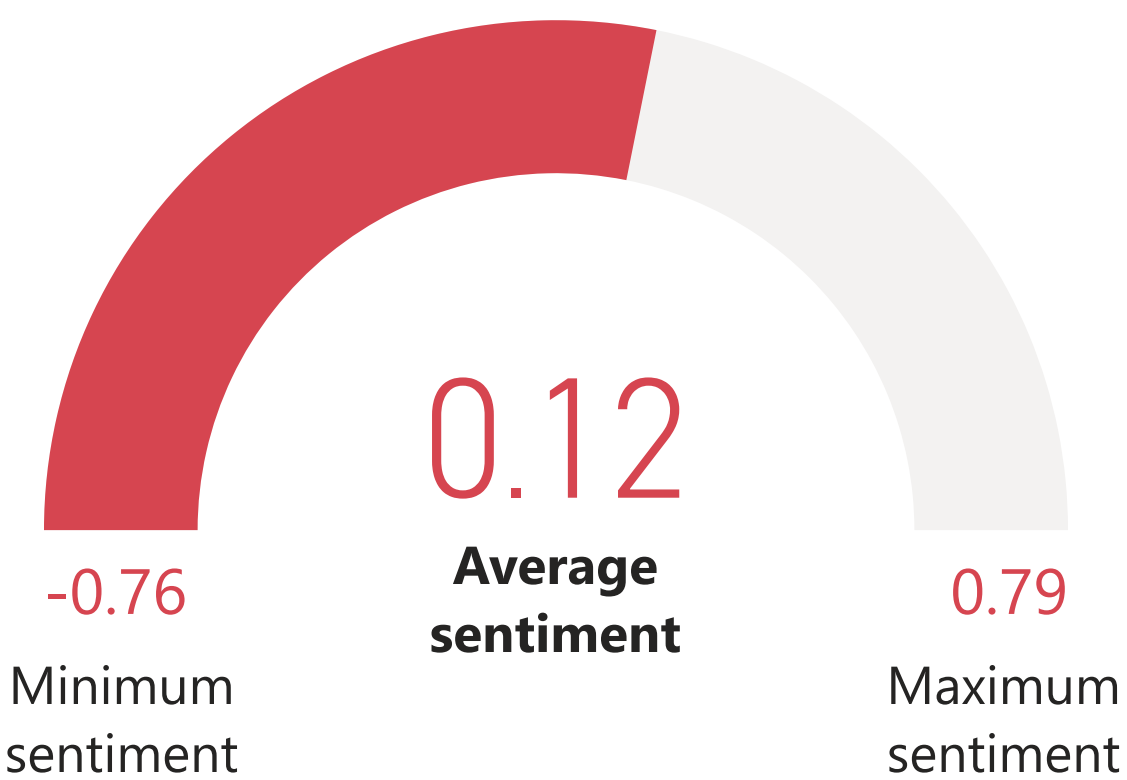
1990s

Number 1 songs - 189



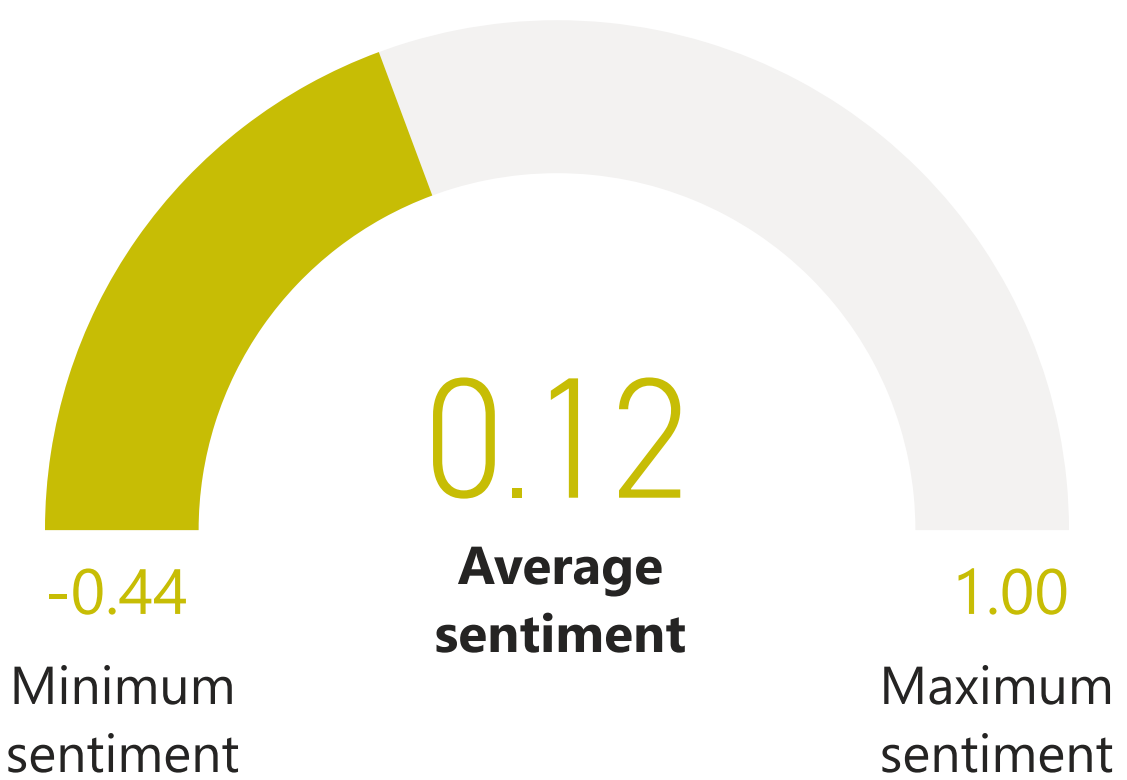
2000s

Number 1 songs - 252



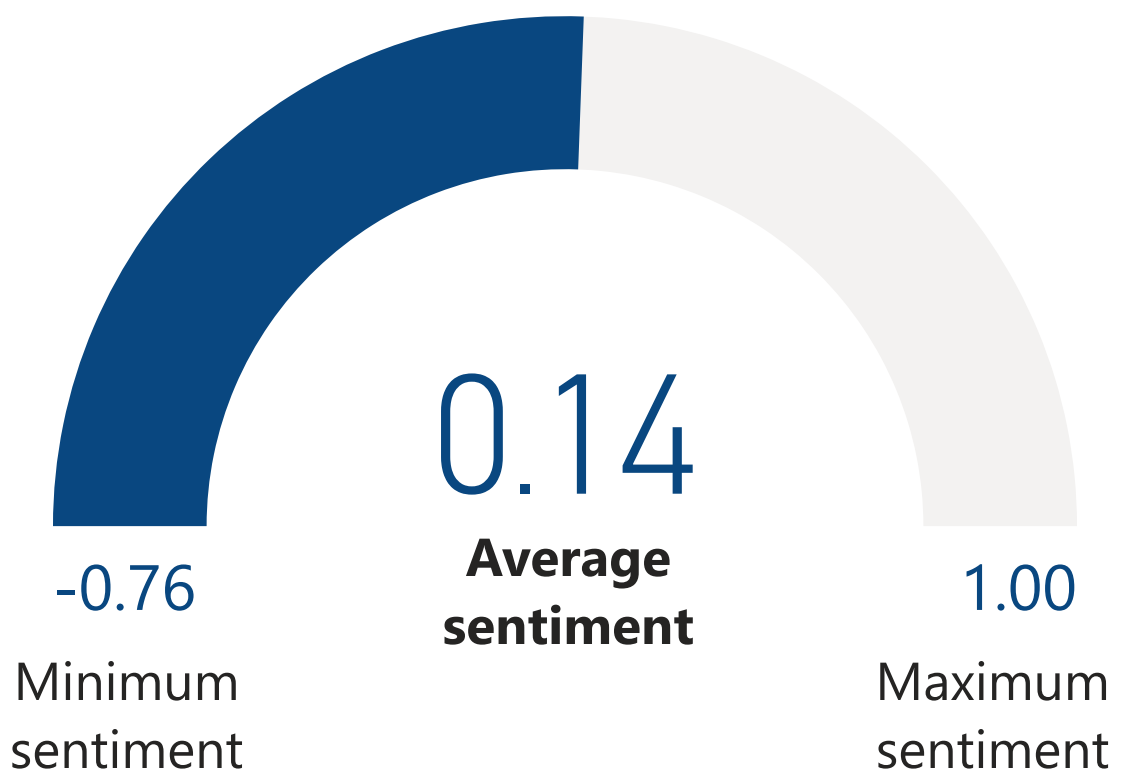
2010s

Number 1 songs - 230



Total

Number 1 songs - 1248*





Find the sentiment rating of your favourite UK number 1



Year	Artist	Average of Sentiment	Song Title	Weeks at number 1	Nationality	Year
<input type="checkbox"/> 1952	▲					
<input type="checkbox"/> 1953						
<input type="checkbox"/> 1954	10cc	-0.08	"Dreadlock Holiday"	1	UNITED KINGDOM	1978
<input type="checkbox"/> 1955	10cc	-0.01	"I'm Not in Love"	2	UNITED KINGDOM	1975
<input type="checkbox"/> 1956						
<input type="checkbox"/> 1957	10cc	0.02	"Rubber Bullets"	1	UNITED KINGDOM	1973
<input type="checkbox"/> 1958	2 Unlimited	0.33	"No Limit"	5	HOLLAND	1993
<input type="checkbox"/> 1959	2Pac featuring Elton John	0.12	"Ghetto Gospel"	3	AMERICA/UNITED KINGDOM	2005
<input type="checkbox"/> 1960	3 of a Kind	0.14	"Baby Cakes"	1	UNITED KINGDOM	2004
<input type="checkbox"/> 1961						
<input type="checkbox"/> 1962	5 Seconds of Summer	0.10	"She Looks So Perfect"	1	AUSTRALIA	2014
<input type="checkbox"/> 1963	911	0.17	"A Little Bit More"	1	UNITED KINGDOM	1999
<input type="checkbox"/> 1964						
<input type="checkbox"/> 1965	A1	0.05	"Same Old Brand New You"	1	UNITED KINGDOM	2000
<input type="checkbox"/> 1966	A1	0.15	"Take on Me"	1	UNITED KINGDOM	2000
<input type="checkbox"/> 1967						
<input type="checkbox"/> 1968	Aaliyah	0.34	"More Than a Woman"	1	AMERICA	2002
<input type="checkbox"/> 1969	ABBA	0.17	"Dancing Queen"	6	SWEDEN	1976
<input type="checkbox"/> 1970	ABBA	0.16	"Fernando"	4	SWEDEN	1976
<input type="checkbox"/> 1971	ABBA	0.18	"Knowing Me, Knowing You"	5	SWEDEN	1977
<input type="checkbox"/> 1972						
<input type="checkbox"/> 1973	ABBA	0.04	"Mamma Mia"	2	SWEDEN	1976
<input type="checkbox"/> 1974	ABBA	0.01	"Super Trouper"	3	SWEDEN	1980
<input type="checkbox"/> 1975						
<input type="checkbox"/> 1976	ABBA	0.33	"Take a Chance on Me"	3	SWEDEN	1978
<input type="checkbox"/> 1977	ABBA	-0.06	"The Name of the Game"	4	SWEDEN	1977
<input type="checkbox"/> 1978	ABBA	-0.18	"The Winner Takes It All"	2	SWEDEN	1980
<input type="checkbox"/> 1979						
<input type="checkbox"/> 1980	ABBA	0.24	"Waterloo"	2	SWEDEN	1974
<input type="checkbox"/> 1981	Ace of Base	0.23	"All That She Wants"	3	SWEDEN	1993
<input type="checkbox"/> 1982	Overall Average Sentiment		0.14	3069		

- Artist
-
- ☐ 10cc

☐ 2 Unlimited

☐ 2Pac featuring Elton John

☐ 3 of a Kind

☐ 5 Seconds of Summer

☐ 911

☐ A1

☐ Aaliyah

☐ ABBA

☐ Ace of Base

☐ Adam and the Ants

☐ Adam Ant

☐ Adam Faith

☐ Adamski

☐ Adele

☐ Afroman

☐ a-ha

☐ Akon

☐ Akon featuring Eminem

☐ Al Martino

☐ Alexandra Burke

☐ Alexandra Burke featuring Flo...

☐ Alexandra Burke featuring La...

☐ Alice Cooper

☐ All Saints

☐ Alma Cogan

☐ Aloe Blacc

☐ Althea & Donna

☐ Alvin Stardust

☐ Amen Corner

☐ Andv Williams



A Sentiment Analysis of the Official UK Singles Chart 1952-2020

End



by
Colm Gallagher