

1. Top word count words for Elton John

1 point

- ☐ (the, john, singer)
- ☐ (england, awards, musician)
- ☒ (the, in, and)
- ☐ (his, the, since)
- ☐ (rock, artists, best)

2. Top TF-IDF words for Elton John

1 point

- ☒ (furnish,elton,billboard)
- ☐ (john,elton,fivedecade)
- ☐ (the,of,has)
- ☐ (awards,rock,john)
- ☐ (elton,john,singer)

3. The cosine distance between 'Elton John's and 'Victoria Beckham's articles (represented with TF-IDF) falls within which range?

1 point

- ☐ 0.1 to 0.29
- ☐ 0.3 to 0.49
- ☐ 0.5 to 0.69
- ☐ 0.7 to 0.89
- ☒ 0.9 to 1.0

4. The cosine distance between 'Elton John's and 'Paul McCartney's articles (represented with TF-IDF) falls within which range?

1 point

- ☐ 0.1 to 0.29
- ☐ 0.3 to 0.49
- ☐ 0.5 to 0.69
- ☒ 0.7 to 0.89
- ☐ 0.9 to 1

5. Who is closer to 'Elton John', 'Victoria Beckham' or 'Paul McCartney'?

1 point

- ☐ Victoria Beckham
- ☒ Paul McCartney

6. Who is the nearest cosine-distance neighbor to 'Elton John' using raw word counts? 1 point
- ☐ Billy Joel
 - ☒ Cliff Richard
 - ☐ Roger Daltrey
 - ☐ George Bush
7. Who is the nearest cosine-distance neighbor to 'Elton John' using TF-IDF? 1 point
- ☐ Roger Daltrey
 - ☒ Rod Stewart
 - ☐ Tommy Haas
 - ☐ Elvis Presley
8. Who is the nearest cosine-distance neighbor to 'Victoria Beckham' using raw word counts? 1 point
- ☐ Stephen Dow Beckham
 - ☐ Louis Molloy
 - ☐ Adrienne Corri
 - ☒ Mary Fitzgerald (artist)
9. Who is the nearest cosine-distance neighbor to 'Victoria Beckham' using TF-IDF? 1 point
- ☐ Mel B
 - ☐ Caroline Rush
 - ☒ David Beckham
 - ☐ Carrie Reichardt