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   1 point
   (represented with TF-IDF) falls within which range?

   ○ 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   1 point
   counts?

   ○ 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**

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◯ **Carrie Reichardt**