

Assessment One: Describe an Actor's Career over Time

Natural Language Generation

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1 Implementation done in Aria NLG:

My system will provide a summary of the actor or actress career to start with. This includes Nationality, Births year, year of death if applicable, Most notable movies and Awards. Such as if we run the project with Marlon Brando's data set, we have the following output in figure 1.1. We can see all the key information in the Career overview. The project describes the career by every decade. The first decade always says that the career started in that decade. For every decade it narrates how many movies the person acted, how many directed/produced and how many awards were won in that decade.

My project also compares every decade and narrates if it was better or worse than the previous decade. In the screenshot figure 1.1 below we can see Brando's 2nd decade was better in terms of movies as he acted in more movies than the first decade. In terms of award, 2nd decade was worse as he didn't win any award in the 2nd decade but he did in first.

So, each decade will get compared to the previous decade to describe the careers ups and downs. If the number of movies or awards are the same as the previous decade it will say it was similar to the previous decade. So, the system clearly compares actors careers with the previous decade and narrates. Please see figure 1.2 for example.

Career Overview:

Marlon Brando is an American actor who was born in 1924 and died in 2004. He appeared in 40 movies, including A Streetcar Named Desire, Apocalypse Now, On the Waterfront and The Godfather. Brando won two Academy Awards for Best Actor.

Decade : 1

Brando started his career in 1950,s. He appeared in eleven movies in that Decade and won one award. Marlon Brando directed no movies in the 1950s and produced no movies

Decade : 2

Brando appeared in thirteen movies in that Decade and won no awards. Marlon Brando directed no movies in the 1960s and produced no movies

His second decade was better than the first decade in terms of movie numbers and this decade was worse than the first decade in terms of award winning.

Figure 1.1: Career overview

Decade : 4

Brando appeared in two movies in the 1980,s and won no awards. Marlon Brando directed no movies in the 1980s and produced no movies.

His this decade was worse than the last decade in terms of movie numbers and in terms of Award winning this decade was worse than the last decade. .

Decade : 5

Brando appeared in six movies in the 1990,s and won no awards. Marlon Brando directed no movies in the 1990s and produced no movies.

His this decade was worse than the last decade in terms of movie numbers and similar in terms of Award winning. .

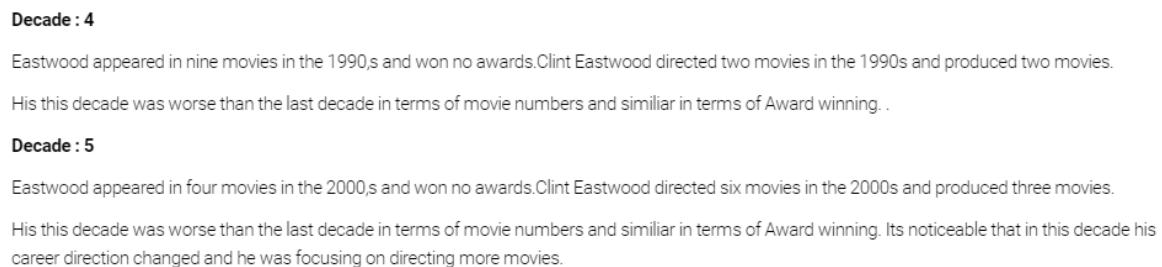
Decade : 6

Brando appeared in one movie in the 2000,s and won no awards. Marlon Brando directed no movies in the 2000s and produced no movies.

His this decade was worse than the last decade in terms of movie numbers and similar in terms of Award winning. .

Figure 1.2:Decades comparison

Sometimes career direction changes from acting to directing or producing. The system will detect that change and narrate it in decade description. Such as if we look at the dataset of Clint Eastwood, we can see in decade 5 he did more directing than acting and my system describes that at the end of 2nd para of that decade. So, the system detects changes in career and clearly narrates. Please see figure 1.3



Decade : 4

Eastwood appeared in nine movies in the 1990,s and won no awards.Clint Eastwood directed two movies in the 1990s and produced two movies.

His this decade was worse than the last decade in terms of movie numbers and similiar in terms of Award winning. .

Decade : 5

Eastwood appeared in four movies in the 2000,s and won no awards.Clint Eastwood directed six movies in the 2000s and produced three movies.

His this decade was worse than the last decade in terms of movie numbers and similiar in terms of Award winning. Its noticeable that in this decade his career direction changed and he was focusing on directing more movies.

Figure 1.3: Career change

I can easily implement the career direction change for produce too and add it in the decade if necessary. But I just didn't want to bore or confuse the reader at this point with multiple career change in description. But as you can see my system have the necessary code in it already to implement that very easily (The logic will be identical to that of detecting career change to directing).

At the end of describing all the decades, I have a small section that shows the highlight of the career and say which decade the person acted most movies. Please see figure 1.4 for example



Decade Highlights: Eastwood acted most movies in his career in decade 1970

Figure 1.4: Career highlights

I can add more highlights to this section if necessary. Like awards won and most directed decade. But I believe that will be too much repetition of information as those are small values and reader likely to remember them.

I also wrote numerous small methods for various purposes such as to correctly refer to He/she and Actor/Actress.