CS551H Assessment 1: Describe an Actor's Career over Time

In the week 1 practicals, you will build an NLG system which uses Arria NLG Studio to create short descriptions of actors and their acting career. In this assessment, you will expand the system created in the practicals (you can use your own work or my solution) so that it generates descriptions of how an actor's career has progressed over time, on a decade-by-decade basis. For example

> Cate Blanchett is an Australian actor who was born in 1969. She appeared in 48 movies.
>
> Blanchett started her career in the 1990s. She appeared in eight movies and won no Academy Awards.
>
> Her career took off in the 2000s. She appeared in nineteen movies and won one Academy Award.
>
> Her career continued at a similar pace in the 2010s. Blanchett appeared in twenty movies and won one Academy Award.

Marking

CGS C: High-quality robust system which produces a narrative that describes every decade of the actor's career.

CGS B: High-quality robust system which produces a narrative which shows career progression, for example whether a particular decade was better or worse than the previous decade (as in the above example). From a microplanning perspective, you should use variation and referring expressions. From a document planning perspective, you should calculate in a sensible way whether a decade is better or worse than the previous one, taking into consideration factors such as number of movies, number of awards, and perhaps movie ratings.

CGS A: High-quality robust system which produces a narrative which shows career progression, including directing and producing as well as acting (this data is available in the actors dataset). Many actors also produce and/or direct movies, and in some cases their career shifts from mostly acting to mostly directing or producing. For example, Clint Eastwood just acted in movies in the 1950s and 1960s, but by the 2000s he was directing and producing more movies than he acted in. This change in Eastwood's career should be clear in your narrative.

Please note that your system must produce sensible descriptions for all actors in the development data set you were given. I will also test your systems on data for additional actors in a test data set.

I have provided a few potentially useful Studio functions in json file, which is on MyAberdeen. You do not need to use these!

Submission

Please submit your exported Studio project by midnight on Wednesday, 4 March, along with a note describing what you have implemented.

This assignment is part of the formal assessment of the course, and the work done must be that of your own group. You are reminded to look at the section on Cheating and Plagiarism in your student handbook.

A 10% penalty will be applied to late assessments submitted up to 1 working day late, and a 25% penalty will be applied to late assessments handed in between 1 day and 1 week late. No credit will be given to assessments submitted later than 1 week after the first deadline.