CS 4200 Project Proposal
NBA narrative game recap

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Introduction

Narrative Science is humanizing data like never before, with technology that interprets your data, then transforms it into insightful, natural language narratives at unprecedented speed and scale.

My project aims to humanize data collected from the NBA stats web app and transform it into a meaningful recap for our readers. This project is very exciting because upon successful implementation we are able to cut down on cost for reporters and analysts.

Related Work

(Norman et al. 2018) (Névéol, Zweigenbaum, and others 2018)

Method

Our methodology consists of, first, splitting our raw data in for training. We are going to utilize the NBA's web app for stats to gather our data. Second, discussing the feature space and targets necessary for training and making text recap. Third, developing the narrative approach. And then afterwards, to evaluate how well we've done, we'll compared it to published recap articles. This will give us the ability to see how well our machine is scoring versus human intelligence.

Timeline

1. Week 6 We are going to start structuring the project.

2. Week 7 start pulling data building our model.

3. week 8 start training our AI

4. week 9 start testing

5. week 10 do further testing compare to target

6. week 11 – week 15 make further improvements development.

References

Névéol, A.; Zweigenbaum, P.; et al. 2018. Expanding the diversity of texts and applications: Findings from the section on clinical natural language processing of the international medical informatics association yearbook. *Yearbook of medical informatics* 27(01):193–198.

Norman, K.; Li, Z.; Oh, Y.-T.; Golwala, G.; Sundaram, S.; and Allebach, J. 2018. Application of natural language processing to an online fashion marketplace. *Electronic Imaging* 2018(10):444–1.