

Joke's On You: An Exercise in Joke Generation

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ABSTRACT

Joke generation is a difficult task for humans and machines alike. We consider a subclass of 'knock-knock' jokes to simplify the generative approach. Using an algorithm as opposed to training and testing more 'intelligently' we are able to create a small number of reasonable jokes with origins from movie scripts.

I. INTRODUCTION

There have been many successful approaches to joke generation Cai and Ehrhardt¹ tried to distinguish between a non-joke sentence and a joke one using Neural Nets. Yoshida et al² took in various image/caption pairs and tried to produce humorous captions given an image. Finally, Mihalcea and Strapparva³ tried to apply Linguistic theories about humor to computational generation of one-liner jokes.⁴ These jokes typically follow a certain structure like call-and-response, or the more vulgar yo-mama. Others have trained models on large corpuses of data scraped from reddit or twitter. These have less associated structure and generally see more mixed results. We wanted to consider a less common joke-type in current literature: the 'knock-knock' joke. This joke

type has a couple main advantages. (i) It follows a rigid structure. To illustrate the format, we annotate the following classic 'knock-knock' joke (not generated).

A: Knock knock.

B: Who's there?

A: Cash. [*Token*]

B: Cash who? [*Token + who = search word*]

A: No thanks, I'll have the peanuts [*Play on search word*]

(ii) There is a discrete set of 'knock-knock' joke subtypes⁵.

II. METHODS

methods .. and then⁶.

III. RESULTS

Name		
First name	Last Name	Grade
John	Doe	7.5
Richard	Miles	2

$$e = mc^2 \quad (1)$$

¹Cai, J., and Ehrhardt, N. (2013). Is This A Joke?.

²Kota Yoshida and Munetaka Minoguchi and Kenichiro Wani and Akio Nakamura and Hirokatsu Kataoka. (2018). Neural Joking Machine: Humorous image captioning.

³Mihalcea, R. and Strapparava, C. (2006), Learning to Laugh (Automatically): Computational Models for Humor Recognition.

⁴reference papers

⁵paper with types

⁶Example footnote

IV. DISCUSSION

- i. Subsection One
- ii. Subsection Two

REFERENCES

- [Yoshida, Kota et al, 2018] Kota Yoshida and Munetaka Minoguchi and Kenichiro Wani and Akio Nakamura and Hirokatsu Kataoka. (2018). Neural Joking Machine: Humorous image captioning. *CoRR*, abs/1805.11850.
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