

# Generation of undirected responses

Learning models on Reddit data

Bauke Brenninkmeijer, Wietse Kuipers and Ties Robroek

Institute for Computing and Information Sciences  
Radboud University Nijmegen

14th of June, 2018

# Outline

Introduction

Dataset

Model

Training

Future

Conclusion



# Introduction

- Can we learn a bot to write "proper" reddit comments?
- Various subreddits.



# Dataset

- the\_donald
- politics
- askreddit

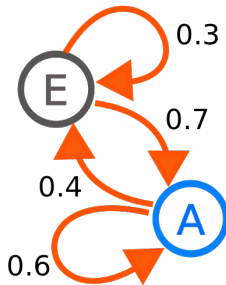


# Model

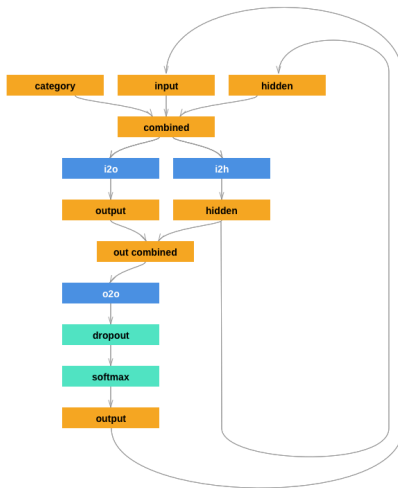
- Markov Chain
- RNN
- GAN



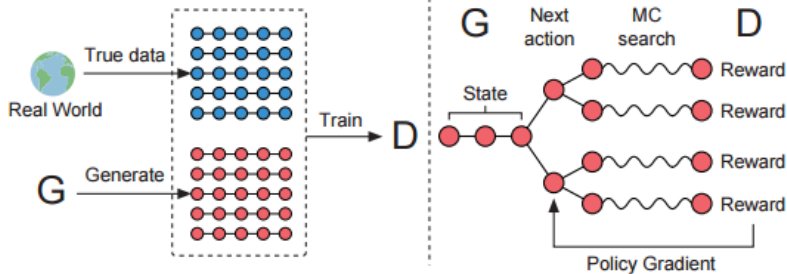
# Markov Chain



# RNN



# GAN





# Training

- Models are extremely sensitive to "errors" and variation
- Termcount
- Dictionary filter



# Future

- Finalize cleaning of dataset
- Run GAN for a day
- Test results



## Conclusion

*its like watching a movie coming out as a possible republican candidate who had a mad crush on her being responsible for the worthless rinos on the peoples of europe sounds familiar*