S I R ▢ D A T A

Your Personal Education Butler

AI for the Common Good: F'AI'R Education Hackathon
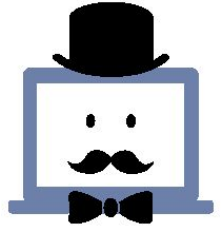25-26 February 2020 Paris
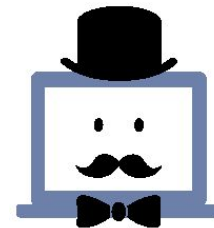Saskia Bruhn, Felix Weber, Marisa Wodrich

User Needs

Equality in formal education

- Proof of skills increases employability

- Feedback and communication induce higher motivation

- Questions and explaining improve learning depth

- Gamification helps learning success
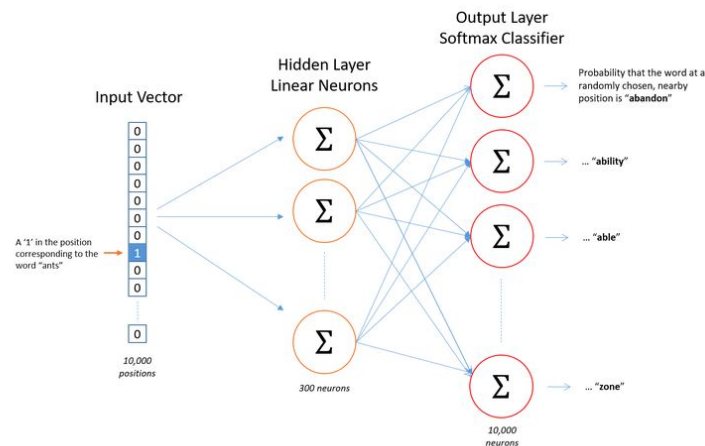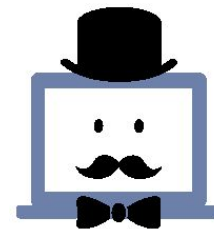
Implementation

Connecting users

- Similarity measures based on learning interests and learning history

Deepening knowledge from a resource via questions

- Questions are currently hardcoded
  - Idea: Could be generated by Watson or by other users
- Word2Vec Algorithm evaluates answers
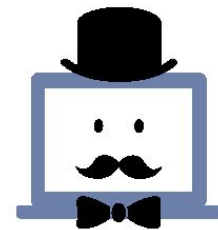 - Users earn badge when they pass all question

Requirements

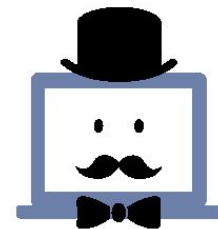**Data about learning resources**

- X5GON API

Word2Vec Algorithm

- Google

Live Demonstration

References

- https://www.kaggle.com/pierremegret/gensim-word2vec-tutorial
- http://mccormickml.com/2016/04/12/googles-pretrained-word2vec-model-in-python/