Duck News Reporters: Automated fake news detection through contextual similarity comparison

COMP9491: Applied Artificial Intelligence — Project Report

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Todo list

1 Introduction

[Introduction] Describe the problem domain and aim of study, briefly introduce the developed methods and summarise your experimental findings

2 Related work

[Related work] **Dhruv**: Describe the current state-of-the-art or related literature in this problem domain

3 Methods

3.1 Feature — Gathering contextual articles

[Methods/Feature — Gathering contextual articles] **Jim**: Write

3.2 Feature — Similarity model

[Methods/Feature — Similarity model] **Duke**: Write

3.3 Feature — Non-latent features

[Methods/Feature — Non-latent features] **Duke**: Write

3.4 Feature — BERT embeddings

[Methods/Feature — BERT embeddings] **Duke**: Write

3.5 Model — Machine learning

[Methods/Model — Machine learning] **Jim**: Write

3.6 Model — Neural networks

[Methods/Model — Neural networks] **Dhruv**: Write

4 Experimental setup

4.1 Dataset

[Experimental setup/Dataset] **Jim**: write

4.2 Evaluation metrics

[Experimental setup/Evaluation metrics] **Jim**: write

5 Results and discussion

[Results and discussion] **Jim**: Machine learning

[Results and discussion] **Dhruv**: Neural nets

6 Conclusion

[Conclusion] Summarise the study and discuss directions for future improvement

References

[1] Benjamin Horne and Sibel Adali. "This just in: Fake news packs a lot in title, uses simpler, repetitive content in text body, more similar to satire than real news". In: *Proceedings of the international AAAI conference on web and social media*. Vol. 11. 1. 2017, pp. 759–766.

A Individual contributions

Jim Dhruv Duke

A.1 Jim

[Individual contributions] **Jim**: ∼1pg detailing individual contributions

A.2 Dhruv

[Individual contributions] **Dhruv**: ∼1pg detailing individual contributions

A.3 Duke

[Individual contributions] **Duke**: ∼1pg detailing individual contributions