

Yohn Jairo Parra, PhD

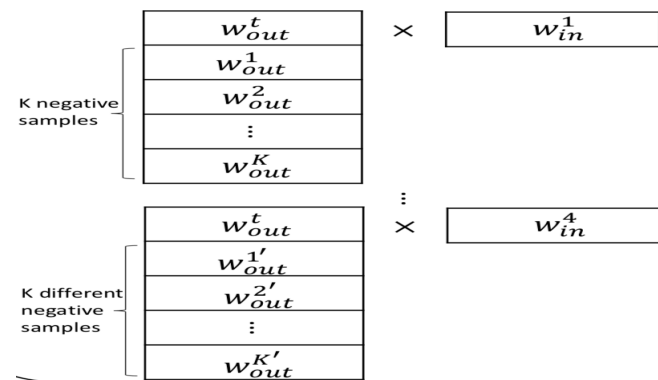
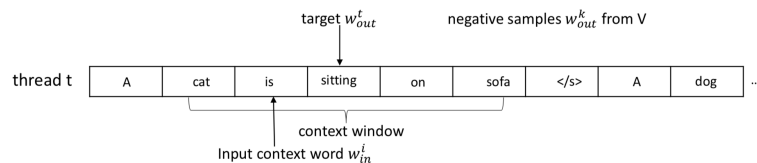
Florida A&M University

Research Area

❖ Unstructured Behavior Data: An Examination of Lexicon-Based and Deep Learning Approaches

- **Algorithms:** Word2vec, Glove, Fast text
- **Problem:** Using deep learning techniques to construct prediction models with sentiment and context to address ambiguity concerns in financial complaint data.

❖ Libraries: TensorFlow, keras



Word2vec(dot product)

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Computational Challenges:

1. Scaling Word2Vec on GPUs
2. More Understanding of different parallelization methods (Amazon SageMaker Blazing Text)
3. Make Reproducible the experiments using docker images, containers, workflows