

SENTIMENT ANALYSIS ON FINANCIAL DATA USING NEURAL NETWORKS

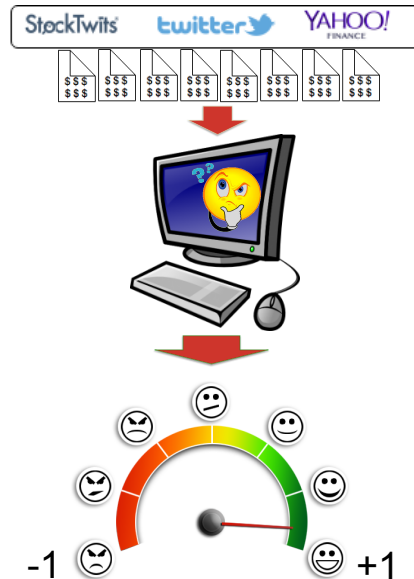


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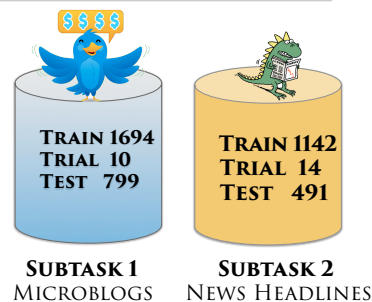
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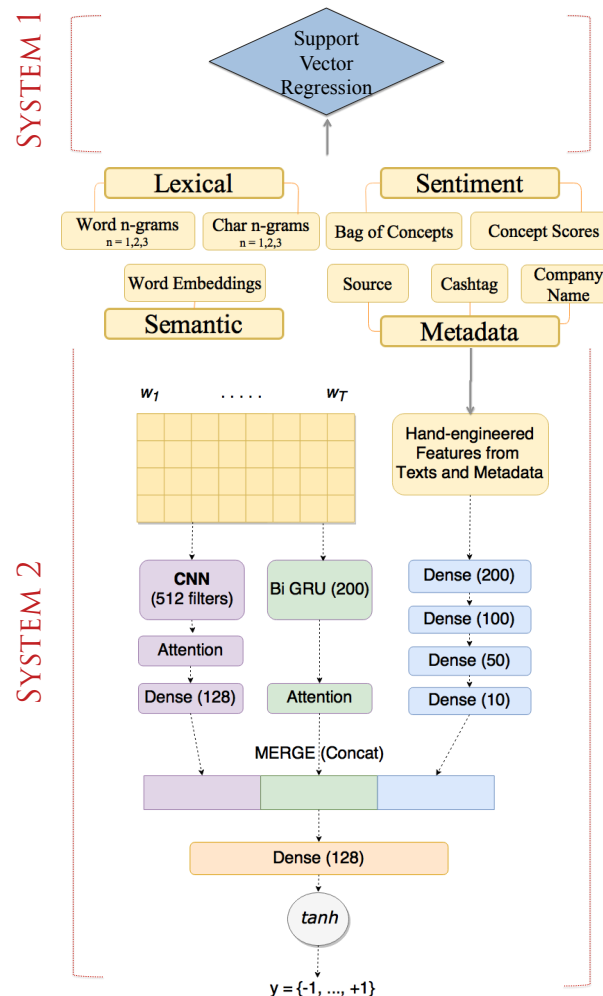
THE PROBLEM



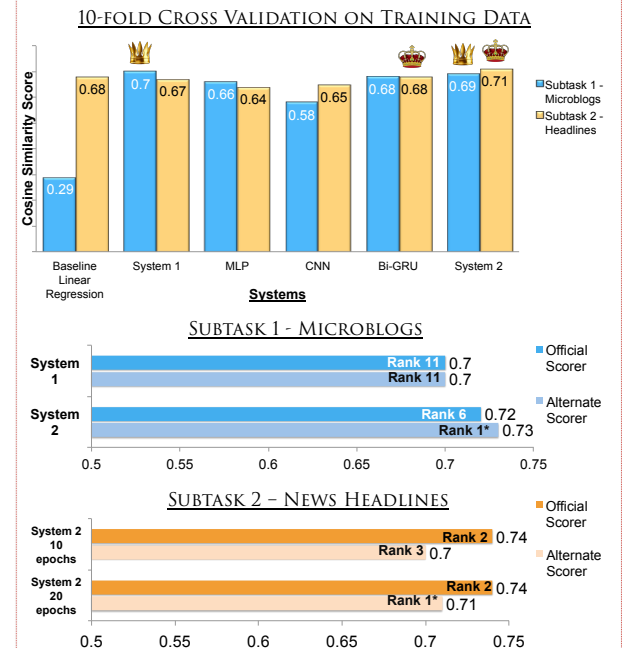
THE DATASET



PROPOSED MODELS



RESULTS



CONCLUSION

- Simple machine learning algorithm like Linear Regression worked well for cleaner texts like news headlines.
- Analyzing sentiments for a company from microblog data can be improved by analyzing the related company's statistics provided in the posts.

Example

Worst performers today: \$RIG -13% \$EK -10% \$MGM \$IO -6%
\$CAR -5.5% / best stock: \$WTS +15%
Cashtag : \$WTS
Annotated Sentiment : 0.857
Predicted Sentiment : -0.365



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