My past, present and potential future of releasing software with my publications

Andrew Moore

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School of Computing and Communications, Lancaster University.

SemEval publication on predicting sentiment in financial news headlines[2]

How people can find the code

1. Link in the paper.
2. Via the research directory

Lancaster A at SemEval-2017 Task 5: Evaluation metrics matter: predicting sentiment from financial news headlines

Contribution in Book/Report/Proceedings › Conference contribution

Published

Overview | Cite this

Andrew Moore
Paul Edward Rayson

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Computing and Communications
Data Science Institute

Associated organisational unit

UCREL - University Centre for Computer
Corpus Research on Language

Electronic data

lancaster-semeval-2017
Accepted author manuscript, 155 KB, PDF-document

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on 4.0 International License

Links

http://aclanthology.info/papers/S17-20
95/lancaster-a-at-semeval-2017-task-5-
evaluation-metrics-matter-predicting-s
entiment-from-financial-news-headline
s
Final published version

https://github.com/apmoore1/semeval
Other version

License: GNU GPL

Text available via DOI:

10.18653/v1/S17-2095
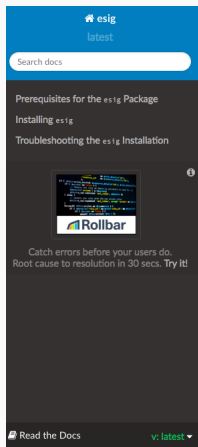Final published version

2

Present

The problems that I found from my past:

1. The code does not prove what I have done has been implemented correctly.
2. The code lacks detailed documentation.
3. The code could be easier to find.

My solutions to these problems:

1. Create test e.g. unit test.
2. Create detailed documentation like readthedocs.
3. My profile on the research directory to include software tab.

esig python package[1]

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[1] http://esig.readthedocs.io/en/latest/

Research directory example

Future

What I would like to see more of:

1. More researchers releasing their code.

The reasons I hear why researchers don't release their code:

1. I don't have the time.
2. I don't like the way the code is at the moment.
3. It is my code/ I don't want to.

1. Releasing the code no matter what it looks like is better than not.
2. When it is released others might help you.
3. Research Software Engineers (RSE)
4. More time/money

Spending more time/money is better

Reasons for RSE and more time on making the code easier to use:

1. Higher impact for your research
2. Allow other researchers to perform their job faster

Example

Stanford CoreNLP[1][2] has:

1. 1711 citations
2. 3771 stars and been forked 1409 times on Github

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[2]https://stanfordnlp.github.io/CoreNLP/

Questions?

Andrew Moore
@apmoore94
Slides: `https://github.com/apmoore1/software-as-data`

References I

[1] C. Manning, M. Surdeanu, J. Bauer, J. Finkel, S. Bethard, and D. McClosky.
The stanford corenlp natural language processing toolkit.
In *Proceedings of 52nd Annual Meeting of the Association for Computational Linguistics: System Demonstrations*, pages 55–60.
Association for Computational Linguistics, 2014.

[2] A. Moore and P. Rayson.
Lancaster a at semeval-2017 task 5: Evaluation metrics matter: predicting sentiment from financial news headlines.
In *Proceedings of the 11th International Workshop on Semantic Evaluation (SemEval-2017)*, pages 581–585. Association for
Computational Linguistics, 2017.