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Concept cloud-based sentiment visualization for financial reviews. (English) [Zbl 1442.62227](#)

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Summary: Online reviews such as posts on financial micro-blogs are useful for decision making in the investment. However, to read all the posts should not be practical because the volume of the posts is sometimes very large. In this paper, we develop a novel word cloud based framework for visualizing online reviews. Using the LRP method, we visualize the online reviews in the form that we can visually catch-up the sentiments of reviews in cluster units. Images generated from the proposed framework in this paper should be useful in decision making in the investment.

For the entire collection see [\[Zbl 1444.91005\]](#).

MSC:

[62P05](#) Applications of statistics to actuarial sciences and financial mathematics

[62H35](#) Image analysis in multivariate analysis

[68T05](#) Learning and adaptive systems in artificial intelligence

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[text-visualization](#); [support system](#); [sentiment analysis](#)

Software:

[Adam](#); [word2vec](#)

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