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Towards filtering undesired short text messages using an online learning approach with semantic indexing

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**Highlights**

- A new classifier is presented to detect undesired short text comments.
- The proposed approach is light, fast, multinomial and offers incremental learning.
- The impact of applying text normalization and semantic indexing is studied.
- The results indicate the proposed techniques outperformed most of the approaches.
- Text normalization and semantic indexing enhanced the classifiers performance.

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