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**Date:**

**To:**

**From:**

**Subject:**

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Transparent Text Classification

**Abstract**

Machine Learning algorithms are considered as black box. The way they make decisions is unknown to the user until a further analysis is done on the model. Text documents are no different. In order to make a good justification, we propose using EDUs that are derived from the most influential keywords in the documents, which will answer the question of “why” the model picked a class for a document. However, the need for this data is huge. We will first find the best way to generate a synthetic data by automating the labeling for the rest of the EDUs; then, we will use them to return reasoning for the classification.