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# Extracting and Exploring Information about Flood Events from Twitter

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### **Abstract**

The more information about a disaster gets established, the more efficiently the disaster management is done by the concerned parties to handle the situation. People tend to share their experiences during disastrous events using social media, making them potential data sources. This thesis project implements a pipeline to extract knowledge from Twitter about flood events. It determines flood-relevant tweets using a classifier and identifies geographical locations mentioned in the tweets using a hybrid geoparsing approach. At the end of the pipeline, the spatial, temporal, and textual aspects of the results are presented using an interactive visual interface. The implemented pipeline is exemplified using historical tweets created during past flood events.

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