

# Twitter Trending Topic Classification

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**Abstract**—The Web Information Retrieval course allowed us to develop the described project. It is about classification of topics that are trending of twitter in a given moment. We have dealt with (i) text based classification using single tweets (ii) network based classification exploiting the graph structure of Twitter.

The used dataset is composed by tweets divided by trending topics. We classify the trending topics into 8 categories: *Event, Health, Movie, Music, Politics, Science, Society* and *Sport*.

The first approach gives good result in terms of precision and recall. Instead, the second approach does not give conclusive results because it require too many resources to be implemented on a single machine.



## 1 INTRODUCTION

## REFERENCES