



**UNIVERSITÀ DI PISA**  
Fourth hands-on: Tweets  
Algorithm Design (2021/2022)

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## 1 Introduction

Given a stream of Tweets collected using Twitter, answer to these questions:

- Count the percentage of happy users in the different moments of the day (morning, afternoon, evening, night). Discuss what you find if compute also the percentage of unhappy users. Do the two percentages sum to 100%? Why?
- Spell the 30 favorite words of happy users.
- Find the number of distinct words used by happy users. How could we exclude words repeated only once?
- Decide if, in general, happy messages are longer or shorter than unhappy messages.

## 2 Solution

TODO.