Information Retrieval

• **Teacher:**
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• **Semester:** First semester

• **Pre-requisites:** Basics of Algorithms, Algorithm Engineering or Algorithms 2

• **Exam mode:** written *(probably a tiny project on python+Lucene+...)*

• **Area:** Algorithmics
Syllabus

• The main modules of a (Web) Search Engine
  • Crawling
  • Compressed storage
  • Indexing
  • Ranking
  • Query resolution
  • Clustering, classification, recommendation, text annotation, ...

• Advanced algorithms and data structures to manage big data:
  • (structured and unstructured) Texts
  • (labeled and unlabeled) Graphs

• Probably, an experience module on Lucene, TagME, ... (in python)
On this day 24 years ago Maradona scored his infamous "Hand of God" goal against England in the quarter-final of the 1986.