Changing your habits is not an easy thing, but one is urged to do it for a number of reasons. A successful teacher should renew his lectures so that they will be specialized in one specific subject, but when it comes to society they will be generalized.

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Identifying the native language (L1) of a writer based on a sample of their writing in a second language (L2)

Our data

- **L1s**: Arabic (ARA), Chinese (ZHO), French (FRA), German (DEU) Hindi (HIN), Italian (ITA), Japanese (JPN), Korean (KOR), Spanish (SPA), Telugu (TEL), Turkish (TUR)
- **L2**: English
- **Real-world objects**: For each L1, 1,000 texts in L2 from The ETS Corpus of Non-Native Written English (former TOEFL11), i.e. $Train \cup DevTest$
- **Target class**: L1

More detailed info is available at the course website.
**Topic**
Most advertisements make products seem much better than they really are

**Sample text**
now a days the publisity is the best way to promoved a produt and if you wanthy to sale a product you should bring some information that makes , that the people who is seeing the advertisements make sure that the product very good and in the future this person could buy it .

**L1 = Spanish**
Term Frequency-Inverse Document Frequency

• How important a word is to a document $D$ in a collection $C$ ($|C| = N$)?

• term frequency
  $\text{tf}_{t,D} = \text{the number of times a term } t \text{ occurs in } D$ (other possibilities exist)

• document frequency
  $\text{df}_{t,D} = \text{the number of documents in } C \text{ in which a term } t \text{ occurs, i.e.,}$
  $|\{D \in C : t \in D\}|$

• inverse document frequency
  $\text{idf}_{t,D} = \log N / \text{df}_{t,D}$

$$\text{tfidf}_{t,D,C} = \text{tf}_{t,D} \cdot \text{idf}_{t,C}$$

Other variants of $\text{tf}_{t,D}$ and $\text{idf}_{t,D}$ exist.