

Spelling Corrector

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Schedule

- Quick introduction
- Implementation in groups
- Presentation of results

Norvig Spelling Corrector

- Implemented on your handout
- Uses Bayes' Theorem
- Development + evaluation sets

Assignment

- Implement a function `correct` that returns the most likely spelling for a given word
- Details:
 - Should be fast (as you type)
 - Should be accurate

Plan

- Break into groups of 3-4
- Choose a language
- Get hacking
- Evaluate the speed and accuracy
- Present your work (last hour)

Presentation

- Implementation
- Speed & accuracy
- Advantages & disadvantages
 - type safety
 - parallelism
 - etc

Multiple corrections

- *Modify correct to return a list of corrections, most likely first*

Add to dictionary

- Provide an interface for adding a new word to the training set.

Mistyped space

- Solve the “mistyped space” problem.

Touchscreen correction

- Touchscreens imperfectly detect which letter you intended to type. Modify the spelling corrector to account for this problem.