Correlation of Translation Phenomena and Fidelity Measures

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Relationship to ISLE

- 2.2.1.2 Accuracy
  - 2.2.1.2.1 fidelity in text as a whole
  - 2.2.1.2.2. Accuracy on indiv. sentence level – syntax – no valid measurements
  - 2.2.1.2.3 Types of errors – syntax – no valid measurements

Procedure

- Sample DARPA scores
  - F-E, S-E
  - Every 20th text sorted by adequacy (approx. 35 ea.)
  - 4 worst, 4 middle, 4 best from those
- Develop list of translation issues
  - From general contrastive F/S – English
  - From observed translation glitches
  - Focused on 1 phenomenon: noun compounds

Noun Compounds

N1 de N2 de N3

N3 N2 N1

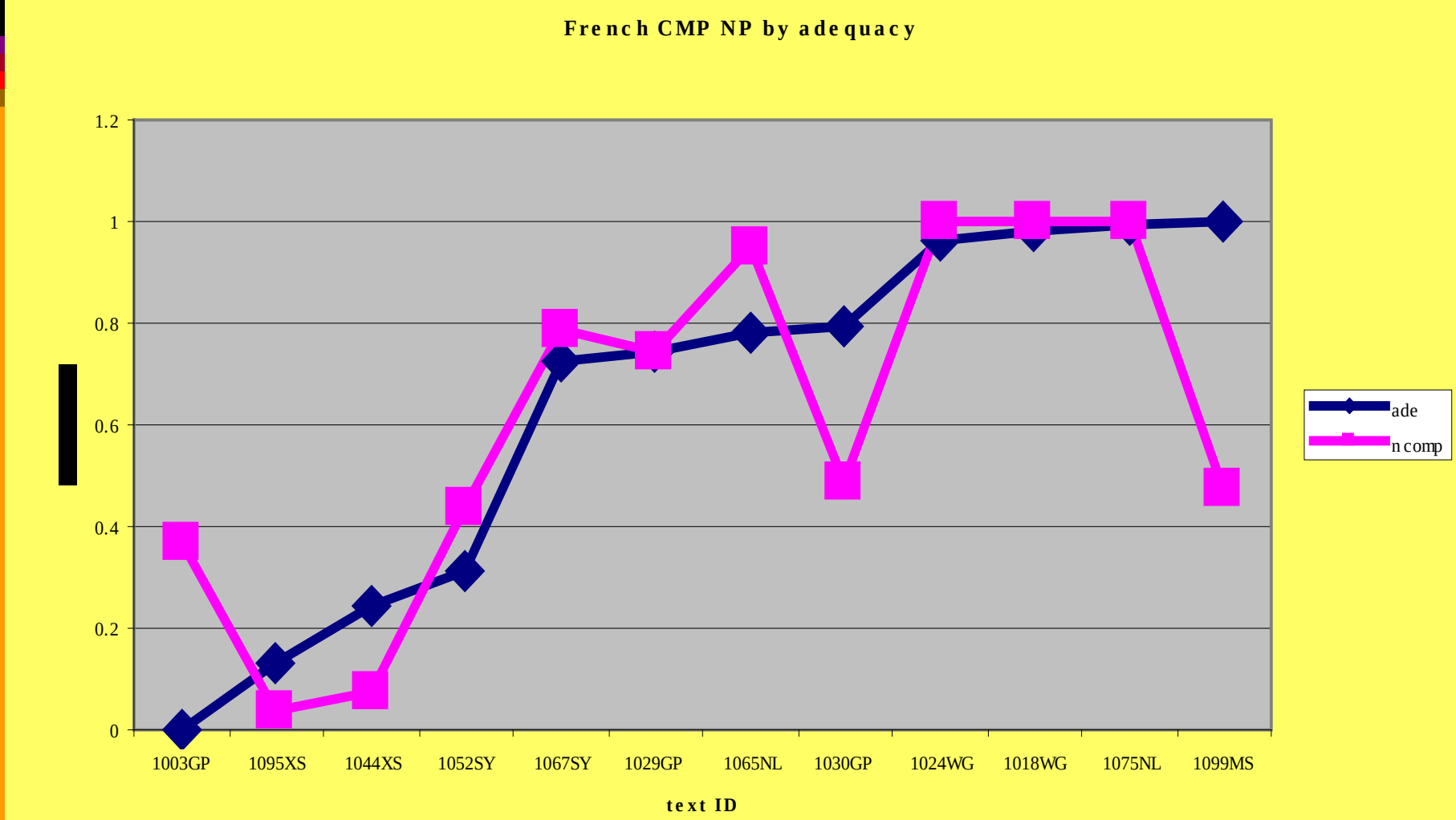
Or

N1 of N3 N2

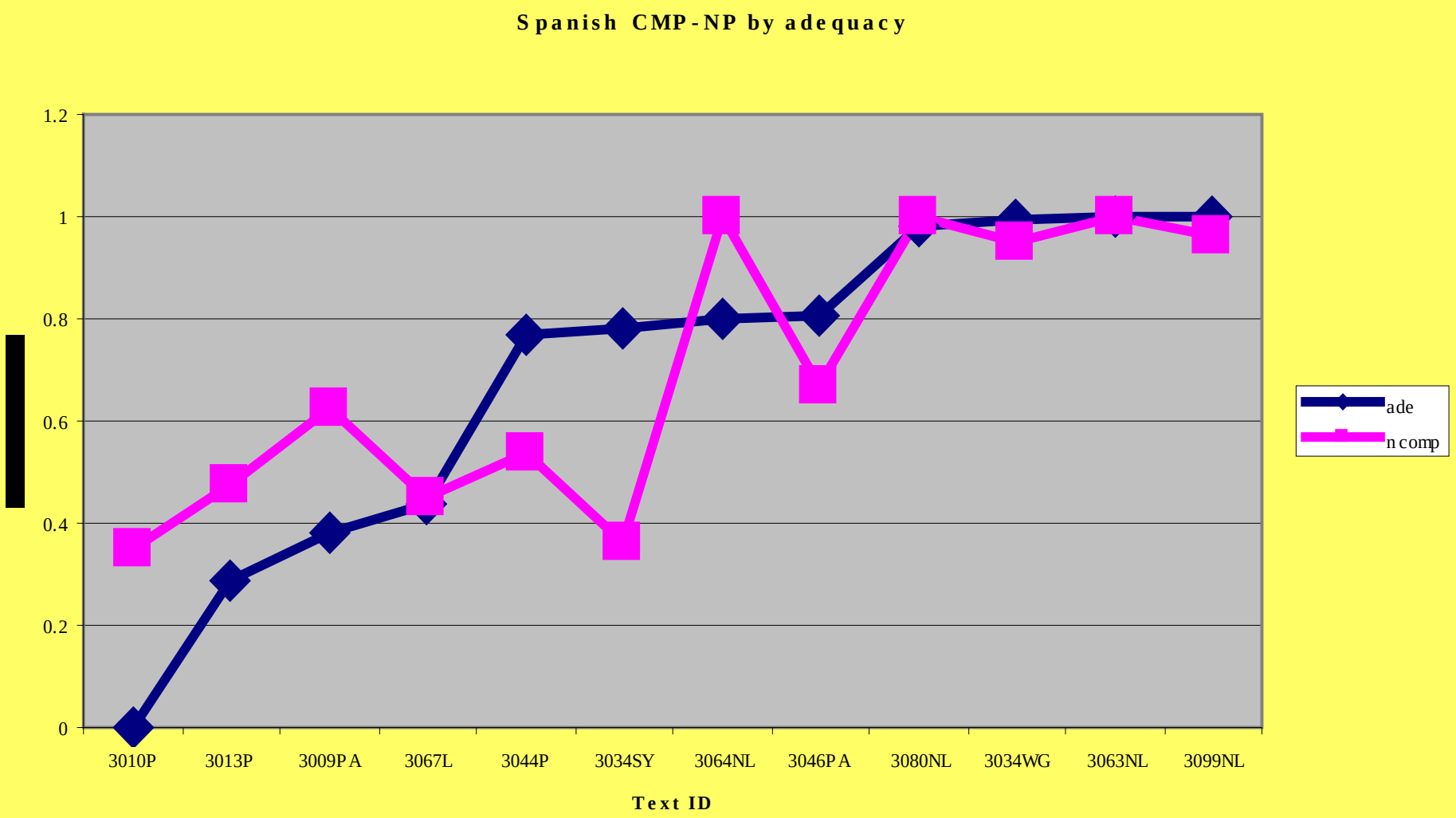
Etc, etc.

... and don't forget modifiers – N1 de N2 adj2 adj1 etc.

French – English results



Spanish – English Results



Issues / Next Steps

- Good, but bad, compound handling
- Sometimes English is more forgiving of Romance WO
- How possible is it to automate n-comp scoring?
- Lexical phenomena -- are the compounds idiomatic & in the dictionary?
- Next Steps
  - same exercise for larger sample
  - same exercise with other potential indicators (adj-noun, concord, etc.)