Yitong Wang

CSCI-GA-2590 Natural Language Processing

Homework6

Apr 10 2015

1.

Appointed Robert A. Niblock as senior vice president

Appointed Akbar Naderi as vice chairman

The original file only captured 2 incidents of “appointment” stories, which are less than satisfactory performances. Errors are listed as below:

1. The first error lies in the first document, where jet failed to discover the Thomas.E.Whiddon was appointed as the executive vice president, logistics and technology. The error was caused by the fact that “newly created position” was not captured by the ngroup in the chunk pattern file (chunkPatternsPA.txt)
2. The second error also arises from the first document, where “Robert A.Niblock was promotd to senior vice president and chief financial officer”. Jet only caught the first position, but not the second one. This is due to chunkPatternsPA.txt does not support concatenation of noun-group in ng.
3. The third error arises from the second document, and as shown in the console, “appointed Akbar Naderi as vice chairman and president, and Mart S.Sellers as vice chairman and chief financial officer”. Jet only caught the appointment of Akbar Naderi and his first mentioned position. This is due to the same error mentioned in (b), plus the fact that appointPatterns.txt does not support conjunctions of different appointment in one sentence.
4. The fourth error arises from the third document, “Richard Snape is appointed managing director for North American sales and service in the Bridge Information Systems unit…”. Jet failed to cast it because of appointPatterns.txt does not define the grammar that’s used here: **<Person> appointed <Position>.** Also, “Managing director” does not match the grammar of ngroup in the chunkPatternsPA.txt.
5. The fifth error is from the fourth document, where it mentioned “UPS has named Thomas H. Weidemeyer to become chief operating officer following the retirement of Charles L.Schaffer at the start of 2001”.
6. The sixth error is also from the fourth document, where it missed the part of “the appointment of D. Scott David, 48, to become chief financial officer”. chunkPatternsPA.txt could not identify the names with “.” at the first capitalized letter in the name.
7. There are many many others at this moment….

**2.**

**results:**

Appointed Thomas E. Whiddon as executive vice president

Appointed Robert A. Niblock as senior vice president and chief financial officer

Appointed Akbar Naderi as vice chairman and president

Appointed Thomas H. Weidemeyer as chief operating officer

Appointed John Allarie as Vice President

Wall street Journal test: (after modification)

Appointed John Gibbons as acting chief financial officer

Appointed Beverly Bassett as Securities Commissioner

Appointed Stephen L. Johnson as senior vice president

Wall street journal test: (before modification)

Appointed Beverly Bassett as Securities Commissioner

Appointed Stephen L. Johnson as senior vice president