WSC Error Analysis

Martin Pettersson martinp4@kth.se

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Sentence 196

John+ tricked **Bill**- because he was mischievous.

- When you're mischievous against something or someone it is almost always implied that the object is being mistreated or hurt by the subject. The predicate "tricked" will in this case most certainly imply to a human reader that John is behaving badly towards Bill.
- There are two candidates for the incorrect answer and none for correct one. However, the two incorrect candidates are duplicate.

They are described as being beautiful young maidens with long blonde or green hair and the tail of a They are often seen playing in the waves or riding on sea horses along with the Tritons as the

attendants of Neptune, the sea god, and his Nereid wife, Amphitrite.

There are said to be somewhere between 50 and 100 of them in existence, and most of their names are in Spenser s The Faerie Queen.

The most famous among them are Amphitrite, Doto, Galatea, Panope, and Thetis.

In Modern Greek folklore they are said to be beautiful maiden nymphs who dwell in the countryside and in forests, where one may hear them playing in their bouzouki (a stringed instrument with a long neck and a pear-shaped body).

They can be MISCHIEVOUS toward humans, by TRICKing them into dancing until they re exhausted, by kidnapping them and leading them astray into muddy places.

If offended they may retaliate by making one face swell or become otherwise distorted.

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Oceanids This is the name of the sea nymphs also known as Okeanides and Okeaninai, in Greek and Roman mythology.

The daughters of Tethys and Oceanus, there were anywhere between 50 and 3,000 of them.

The most popular Oceanids are Amphitrite, Doris, mother of the nereids by Nereus, Styx, Asia the wife of Prometheus.

In the Roman mythology of Homer Electra is the daughter of Atlantis and one of the nymphs in the constellation Pleiades.
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Listing 1: Context for R_1 and R_2 (duplicates).

• This is an article about Greek mythology which is probably unimportant for our sentence. The correct subject in this sentence is *They*, which points to something that is clarified in the context and not within the sentence (beautiful maiden nymphs). The correct object is *humans*.

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They can be MISCHIEVOUS toward humans, by TRICKing them into dancing until they're exhausted, or by kidnapping them and leading them astray into muddy places.
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Listing 2: Target sentence in R_1 and R_2 .

- The test sentence is of the form X trick, X mischievous. The corpus sentence is of the form X mischievous towards, X trick.
- A predicate in English can be of the form *adjective* towards or *adjective* against. Is this considered?

Sentence 201

Rick Davis- campaigned for **John McCain+** since he was the best man for office.

- This sentence is only possible to resolve easily if we look among corpora related to politics.
- With a good corpus this would be very easy to resolve if the object candidate was of the form man for office instead of just man. The latter case will be way too general and has nothing to do with this special kind of political situation our sentence describes.
- The system should be able to make the comparison X man for office \sim campaign for X vs. X campaign for \sim X man for office instead of X man \sim campaign for X vs. X campaign for \sim X man.

Sentence 350

Claudia- lost all her money to Valarie+ because she is really smart.

- This sentence obviously has a lot of issues, since we have only 6 votes for the correct candidate, **X** smart ~ lose to **X**, but 142 votes for the incorrect one, **X** lose ~ **X** smart. However the logic behind the candidate comparison looks completely correct, and this should be easy to resolve.
- It would be very interesting to make comparisons between negating opposites, for example: X lose ~ X smart vs. X lose ~ X stupid.

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Subcontractors couldn
                            t collect for work
    completed.
Businesses, once successful, went belly up.
Neighborhoods became patch worked with empty houses
    and overgrown lawns.
The only people making good money were bar tenders and
     "repo" men.
Colonial lent money into almost every type of business
Even though they were SMART about it, they lost some
    serious money.
          mortgage warehouse
                                       took a hit,
    along with commercial loans.
Meanwhile, business banking, retail mortgage, consumer
    lending, wealth management, and the investment
    brokerage were hedging against the tide.
Colonial
              s problems were economy related and
    not as severe as propaganda testified.
At the time of the initial reporting,
                  s 12.88% risk based capital rate
    Colonial
    was above regulating guidelines of 10% to be
    considered well capitalized.
Colonial had assets and strategic measures in place.
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Listing 3: Context from R_1 and R_2 .

Even though they were smart about it, they lost some serious money.

Listing 4: Target sentence for R_1 and R_2 .

• Looking at this example, one issue could be that the object **it** in the target sentence is an exophor and not an anaphor. It is not clear

from either the sentence itself or the context of what we are smart about.

- Similar problem as with sentence 196, **X** smart is not true here, instead we have the case of smart about **X** or **X** smart about
- This sentence is a concessive clause determined by **Even though**. Even though they were smart about it, they lost some serious money is equivalent to They lost some serious money even though they were smart about it.

Sentence 443

The **cheetah-** outran the **antelope+** so it got eaten.

- The comparison eat \sim outrun X vs. X outrun \sim eat makes no sense. Not sure if this sentence is actually translatable to a logic form since eat is conjugated to its passive form (eg. the antelope was eaten, the antelope got eaten, the antilope is being eaten, etc.), which is not the same thing as its corresponding active form (the antilope is eating, the antilope ate). However the system makes some kind of generalization here and suggests that "eating" in istself is an implication of a cheetah that is outrunning or outrunning a cheetah.
- eat $X \sim \text{outrun } X \text{ vs. } X \text{ outrun } \sim \text{eat } X$?

Sentence 70

Jimbo was running from Bobbert+ because he smelled awful.

- The problem here is that we are comparing **X** smell ~ run from **X** vs. **X** run ~ smell **X**. The verb *smell* can have several meanings depending on context. It can be sort-of reflexive and not at the same time, i.e. "He smells" can be equivalent to "He stinks" and "He is sensing a smell" at the same time; it depends on the context.
- X smell awful \sim run from X vs. X run \sim X smell awful would probably solve this problem.

Sentence 407

Luigi+ rescued Mario- because he was the only one who can.

- This sentence is not gramatically correct. It should be Luigi+ rescued Mario- because he was the only one who could.
- Current comparison is X one $\sim X$ rescue vs. X one \sim rescue X. This is too vague.
- Results would probably be better if the system compared X one who can $\sim X$ rescue vs. X one who can \sim rescue X.

Sentence 116

Bob- sued Bill+ because he was embezzling funds.

- X embezzle ~ sue X vs. X embezzle ~ X sue looks completely correct. Nearest neighbor gives us 4 votes for the correct candidate and 10 votes for the incorrect one.
- The incorrect candidate has ten votes, however most of them are duplicate. In reality there are only two incorrect matches. This is reoccurring in almost all sentences. Is it a front-end issue or something else?

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The Court finds that De Rooy adequately disclosed the
    facts underlying her conclusion that Nicosia
    embezzled money from Jan Kerouac s heirs.
Accusations of criminal activity, like other
    statements, are not actionable if the underlying
    facts are disclosed.
In re Yagman 796 F.2d 1165, 1174 (9th Cir.
1986); Dunn v. Gannett New York Newspapers 833 F.2d
    446, 453-54 (3rd Cir.
1987).
In Dunn the mayor sued a newspaper for suggesting that
     the mayor embezzled funds.
The court found the statement not actionable, in part
    because the newspaper disclosed the basis for its
    conclusion.
U.
The basis of the newspaper s embezzlement
    allegation was that the city learned that funds
    were missing and the mayor ordered employees not
    to talk to the press.
U. Like the newspaper in Dunn, De Rooy has disclosed
    the underlying facts and allowed readers to decide
     for themselves whether the facts amounted to
    embezzlement.
The Court finds that De Rooy s statements
    regarding embezzlement contained in
    the complaint are not actionable, and hereby
    GRANTS De Rooy s motion to dismiss with
    respect to the same.
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Listing 5: Context of first incorrect vote.

• Noisy, but in this case it shouldn't be an issue, the target sentence contains all information we need.

In Dunn the mayor sued a newspaper for suggesting that the mayor embezzled funds.

Listing 6: Target sentence of first incorrect vote.

• This is interesting. The sentence follows the logical structure we are looking for, although everything crashes because of *suggesting*. The mayor is suing because the newspaper made an accusation of him embezzling, not because he was actually embezzling.

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When I read the story, I couldn
                                    t get the head or
     the tail of the story
He recalled that a reporter called him while he was in
    South Africa, to ask him about an amount of
          5 ,000 and he explained to the reporter,
    that regarding the GH
                           5 ,000, he only fronted
    as the representative for COSGA to supplement a
   larger amount of money which was with K.K. Kabobo
    and other members to distribute as royalties in
   Kumasi.
This implied that he has never personally, processed
    any amount of money meant for royalties.
Anybody who knows the COSGA system and how money is
   disbursed will laugh at this story
Mark believes some people who have no idea of how
    things are done at COSGA, are behind it and they
   have made the editor a victim to perpetrate their
    selfish interest.
I will sue the editor in court for her to tell the
    court where she saw me embezzling any money, and
    show the court evidence that proves that.
A lot of journalists write false stories about people;
     they threaten to send them to court but nothing
    happens and they go scot free.
I am going to go all out to make sure the editor pays
   for being unprofessional , Mark emphasized.
<
Kesse, one of Ghana
                        s representatives in the
   ongoing Project Fame West Africa talent show,
    brought Sunday evening
                              s gala show to {f a}
    glorious end with his fantastic rendition of
    Nigerian singer, Asa
    Beautiful
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Listing 7: Context for remaining votes.

• This text makes very little sense.