

## RA4 Marking Scheme

### COMP 550 Reading Assignment 4 Feedback

The report will be graded on 1) content, 2) linguistic quality, and 3) clarity of argumentation.

#### Content (/15)

A good description of the paper including the strengths and weaknesses will give you up to 6 points

- A partial or incorrect description will result in a deduction
- .
1. How does this paper propose to measure gender bias in coreference resolution systems? Explain how an "unbiased" system should perform, versus the results obtained in the experiments.

(3 points)

- Explanations will be scored based on correctness and coverage.

2. The paper discusses a potential case of bias amplification involving the occupation *manager* on page 4. Explain the proposed mechanism in which dataset bias could be amplified at the system level, then how system bias could then lead to further amplification in society downstream.

(3 points)

- Explanations will be scored based on correctness and coverage. Be sure to explain both steps: dataset bias -> system bias amplification, and system bias -> societal bias amplification.

3. Why does the paper say that their work has low negative predictive value?

(3 points)

- Explanations will be scored based on correctness and coverage.

#### Linguistic quality (/5 each)

#### Clarity (/5 each)

Assess linguistic quality and clarity of argumentation holistically (half marks are okay):

5/5	excellent
4/5	good: most students will score between 3 – 4 / 5
3/5	sufficient
2/5 or below	significant problems

**Total (/25)**