COMP 550, Fall 2020: Study Group 1

Wei FAN

Name   Wei FAN

Student Number   UdeM Matricule 20164573

Time and date of meeting   8-9pm Oct.6th

Week Number   Week 1

Other students at the meeting   Yang zhaoliang, Arghavan Sanei, Lin Yichen, Peiyong Liu, Wei Fan

Activities and Discussion

1. we met each other on line by google meet.

2. Moderator: Yang zhaoliang was our moderator this week

3. Introduction: All group members introduced ourselves one by one, including the educational background and the motivation, experience, goal for NLP

4. discussion about the Ambiguity

   (a) Every student read a book
   The possible interpretations: Reads instead of read, statement or command (should), Every student reads a different book, or same book
   What causes: Wording (read a book vs the book), Correct emphasis, Semantic ambiguity
   Knowledge to resolve: Context-free grammar (one tree means no ambiguity)

   (b) The lion is a majestic animal
   The possible interpretations: emphasize, the specific lion. The other is the species
   What causes: Animal (specific animal or species)
   Knowledge to resolve: Text Context, previous, later sentences.

   (c) Use of this sidewalk is prohibited by police officers
   The possible interpretations: This is a bit unclear, Use of this sidewalk, How and who
   What causes: How and who
   Knowledge to resolve: adding punctuation

   (d) She is my ex-mother-in-law-to-be The possible interpretations: Ex-(mother-in-law-to-be), (ex-girlfriend's mother) , to be a couple, To be girlfriend's mother , (ex-mother-in-law)-to-be
   What causes: Ex, To be
   Knowledge to resolve: Semantic, Splitting long words, Speech, adding punctuation and emphasis.

5. Questions about course:

   what does it want exactly 'problem setup' in homework1

   the deadline for group study summary.

6. Next week Plan: Time: Oct.13th, 2020, 8pm-9pm. Moderator: Yichen Lin. We think that we may need more group study meeting to catch up.

7. More to read for Ambiguity

   https://cs.nyu.edu/faculty/davise/ai/ambiguity.html

   https://www.tutorialspoint.com/natural_language_processing/natural_language_processing_introduction.htm

   https://cs.pomona.edu/ kim/CSC181S08/lectures/Lec17/Lec17.pdf

   http://crypto.cs.mcgill.ca/ crepeau/COMP330/LECTURE-10opt.pdf