OHDSI NLP WG Monthly Meeting

01/09/2019

Agenda

- NLP WG Update on Community Call
- Ongoing projects
- Other issues

- Enterprise NLP tool – Hua Xu and Ergin Soysal

OHDSI NLP Updates

- 2018 Summary
  - Delivered NLP Tools (https://github.com/OHDSI/NLPTools)
    - Wrappers for converting existing NLP systems (MetaMap, cTAKES, CLAMP) outputs to CDM NLP tables
    - Mapping of CUIs to standard terminology in CDM
  - Other ongoing projects
    - Mapping of Note Types to LOINC/standard vocabulary
    - Landscape Analysis of section identifier systems and proposal of a standard terminology for use
    - Extension and standardization of concept-modifiers from NLP systems

- 2019 Aims
  - Establish ETL for processing textual data into CDM
  - Develop tools (within Atlas) to facilitate uses of NLP data for cohort building/phenotyping
  - Conduct cross-site studies that use textual data
  - Continue developing other NLP resources

Ongoing projects

- Mapping of Note Types to LOINC/standard vocabulary – Karthik Natarajan, Ruth Reeves, and Jon Duke

- Landscape Analysis of section identifier systems and proposal of a standard terminology for use – Hua Xu and Karthik Natarajan

- Mapping of CUIs to standard terminology – Juan Banda

- Standardization of term_modifiers and values – Hua Xu

Other issues

- Meeting formats : Presentation followed by updates on ongoing projects
- Presentation scheduling
  - February 13th – Stephan Meyestre – tool to evaluate NLP systems
  - March 13th – Yuan Luo – eMERGE collaboration
  - April 10th – Jon Duke – ClarityNLP
  - May 8th – Juan Banda - CUI mapping, ongoing work - Juan
  - June 12th
  - July 10th
- Please let us know if you can present your related work at any of the above meetings.

Enterprise NLP needs

- Fast deployment of NLP solutions through
  - Task scheduling
  - Resource management (distributed, scalable)
- Visual Analytics
  - Search NLP outputs
  - Extract information for research – phenotyping
- Enhanced security
  - Multi-user
  - Configurable