Natural Language Processing

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NLP WG Purpose

The NLP WG exists to promote the use of textual information in electronic health records (EHRs) by developing software tools and methods to represent and utilize textual data thereby facilitating the generation of evidence for observational studies.

NLP 2023 Objectives and Key Results

Objective 1: Knowledge dissemination - contribute a chapter on NLP in the Book of OHDSI

Key results

1. Deliver the initial draft of the chapter; Timeline: 1-3Q2023

Objective 2: ETL for textual data normalization

Key results

1. Continue developing the tool to normalize "note_type", release version 1.0; Timeline: 1-4Q2023

2. Discuss and revise the schema for relation representation; release an initial draft, Timeline: 1-2Q2023

Objective 3: Conduct at least two multi-site clinical studies that utilize both structured and textual data

Key results

1. Descriptive study on Social determinants of health; Timeline: 1-4Q2023

2. Identify delirium episodes from clinical notes; Timeline: 1-4Q2023