



Linguamatics I2E Healthcare Hackathon

Monday October 12, 2015
Hyatt Regency Newport, RI

Heritage Room
9am - 5pm

The Healthcare Hackathon will look at challenges in extracting from healthcare data. One of the most common challenges is making sense of the context within which a disease term, for example, occurs. Does a reference to diabetes refer to a current diagnosis, a family history or a hypothesis that was discounted? This is a challenge that I2E is frequently used to handle and an area that Linguamatics customers are always keen to know more about. The Healthcare Hackathon will look at disease terms in context, and also look at extracting medications, and whether the medication is current or not. Finally, if time allows, it will look first at extracting specific lab values, then extending this to look at all lab values.

An unannotated set of medical transcripts will be provided to participants to evaluate and build queries against. This set will have been pre-indexed with appropriate disease and medication ontologies.

A small set of example annotations will be provided to participants to demonstrate how results should appear. An unseen annotated test data set will be used to assess each team's efforts and with the results being submitted at the end of the day.

Participants will be split into small teams, with Linguamatics personnel available to provide guidance and assistance on best practice.

- 8.30 – Registration & refreshments
- 9.00 – Welcome & Introduction to challenge by Linguamatics
- 9.15 – Teams are formed
- 9.30 – Introduction to the first challenge, work begins
- 10.30 - Drinks and refreshments available
- 12.30 – 1.30 – Lunch in Ballroom CD
- 1.30 – Teams continue to work on 2nd and 3rd challenges as time allows
- 3.00 - 3.30 – Break in main foyer
- 4.30 – Wrap up and Q&A
- 5.00 – Queries submitted for judging. Each challenge will be evaluated separately.