

i2b2-workshop at AMIA Nov-2020

Saturday Nov 14, 2020 ; 2-5:30pm (3.5 hours)

Agenda

Welcome and introduction: Kavi (10 minutes)

1. [Workspaces for Hands-on exercises](#) (video )
2. Participant Survey

20,000 feet view: Shawn (20 mins) (slides)

Data Model and Query Tool: Jeff (45 minutes) + QA 10

1. [Intro to i2b2](#)
 - a. Query Tool
 - b. Ontologies
 - c. Data Model
 - d. Community Project Highlights (ACT, genomics, etc. Medco?) - i2b2 on OMOP / OMOP to i2b2
2. [Exercise 1: Building a query \(demo data\) \[15 minutes\]](#)
 - a. *Ontology Browser*
 - b. Find Terms
 - c. Counts Query
 - d. Breakdown
3. [Exercise 2: Building a temporal query \(demo data\) \[10 minutes\]](#)
4. [Exercise 3: Export some data \(export XLS\) \[10 minutes\]](#)

Installation and Shrine: Mike (45 minutes) + QA 10 mins

1. Methods of installation
2. Synthea on ACT Ontology with COVID19
3. SHRINE 3 node with HUB Instal
4. [Exercise 4](#)

BREAK (15 minutes)

ETL pipeline for i2b2: Kavi (40 minutes) + QA 10 mins Slides

1. [Exercise 5: Create and upload simple concept ontology and facts: \(video !\[\]\(896151ec231b70900e969d67696ca48d_img.jpg\)\)](#)
 - a. Files:
 - i. [ex5_concepts.csv](#)
 - ii. [ex5_facts.csv](#)
2. [Exercise 6: Create and upload concepts with varied data-types \(video !\[\]\(a852c5461f8be0331350e2cc706daa68_img.jpg\)\)](#)
 - a. Files:
 - i. [ex6_concepts.csv](#)
 - ii. [ex6_facts.csv](#)
3. How i2b2 is helpful for lab level projects:
 - a. Enforces data dictionary & discipline
 - b. Query tool validates SQL for reporting

Summary: Shawn 10 mins (slides)