

# i2b2 workshop at AMIA Nov 2021

links ( [bit.do/i2b2amia](https://bit.do/i2b2amia) )

1. [workspace](#)
2. [interaction](#)

October 30, 2021 from 1:00 PM to 4:30 PM

## Agenda

Start_time	Session	Minutes
1:00 PM	Audience intro + env : Kavi Wagholikar	20
1:20 PM	Shawn Murphy: 20000 foot view	20
1:40 PM	Jeff Klann: Query Tool and networks	20
2:00 PM	Team formation	15
2:15 PM	BREAK	15
2:30 PM	Mike Mendis: i2b2 on OMOP database	20
2:50 PM	Kavi Wagholikar: Loading Data	20
3:10 PM	Team discussions	40
3:50 PM	Wrap up	40
4:30 PM	End	-

## Details

### Welcome and introduction: Kavi

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

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

### Data Model and Query Tool: Jeff

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 \(demo data\)](#)
4. [Exercise 3: Export some data \(export XLS\)](#)


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

1. Synthea data
2. ACT Ontology with COVID19
3. linking i2b2 to OMOP database

BREAK (15 minutes)

### ETL pipeline for i2b2: Kavi

1. [Exercise 5: Create and upload simple concept ontology and facts: \(video !\[\]\(a43b62a38b6e2844e794f4301a08d3ba\_img.jpg\)\)](#)
  - a. Files:

- i. [ex5\\_concepts.csv](#)
  - ii. [ex5\\_facts.csv](#)
- 2. Exercise 6: Create and upload concepts with various data-types ([video](#) )
  - 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

[workshop Team projects](#)