

HUDK 4051: LEARNING ANALYTICS PROCESS & THEORY

1/22/18 8:55 AM



ED Games Expo 2018: A Showcase for Education Learning Games and Technologies

News

The New York Times

Facebook Doesn't Like What It Sees When It Looks in the Mirror

Analysis: Education technology startup funding rebounds, but what is 'edtech'?

GeekWire

7 Ed Tech Trends to Watch in 2018

CAMPUS TECHNOLOGY

moneycontrol

Edtech sector growing fast; poor digital infra big challenge

technode

Not Much New in EdTech in 2017; 3 Things Could Change That in 2018

EDUCATION WEEK

A look into China's future:
Unravelling China's edtech
landscape

A Clever Way to Measure How Students Actually Use Edtech (and Whether It Works)

EdSurge

EdTech
Focus On Higher Education

What is Microlearning: The Education Tactic Stopping Student Burnout Syndrome

3 Ways a Net Neutrality Repeal Might Impact Universities

ScienceDaily

Don't hold your nose and close your mouth when you sneeze, doctors warn

One young man ruptured the back of his throat when he did so

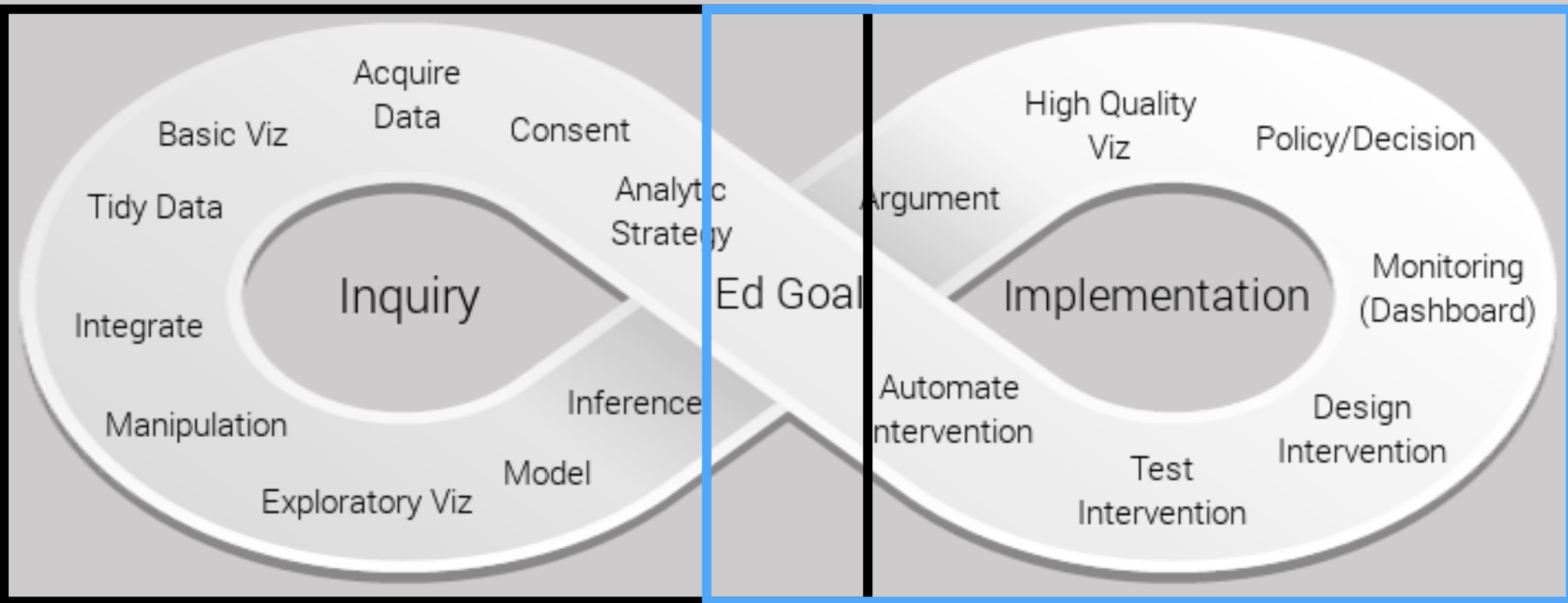
Course Goals

Short Term		Long Term	
<i>Content</i>	<i>Skills</i>	<i>Abstractions</i>	<i>Habits</i>
remember..., understand...	demonstrate...	synthesize..., argue...	organize..., implement...
Conceptual basis of methods, use cases	R, git, application of methods	Evaluate broader implications, have opinions, methods schema	Workflow, documentation, JIT learning

Ed Data Science Cycle

HUDK4050

HUDK4051



Syllabus

<https://github.com/la-process-and-theory/syllabus>



Units

- Some old friends: Prediction & SNA
- Natural Language Processing
- Neural Networks
- Closing the Loop
- Interactive Visualization
- Recommender systems

What is the work?

- Attend class
- In person meeting with instructor (sign up)
- Complete 8 Units
 - Readings/Videos
 - Assignment
- Record a podcast
 - Sign Up (on syllabus)
 - Tuesday
 - Bring some news
 - Discuss a topic
 - Available on Soundcloud/Github

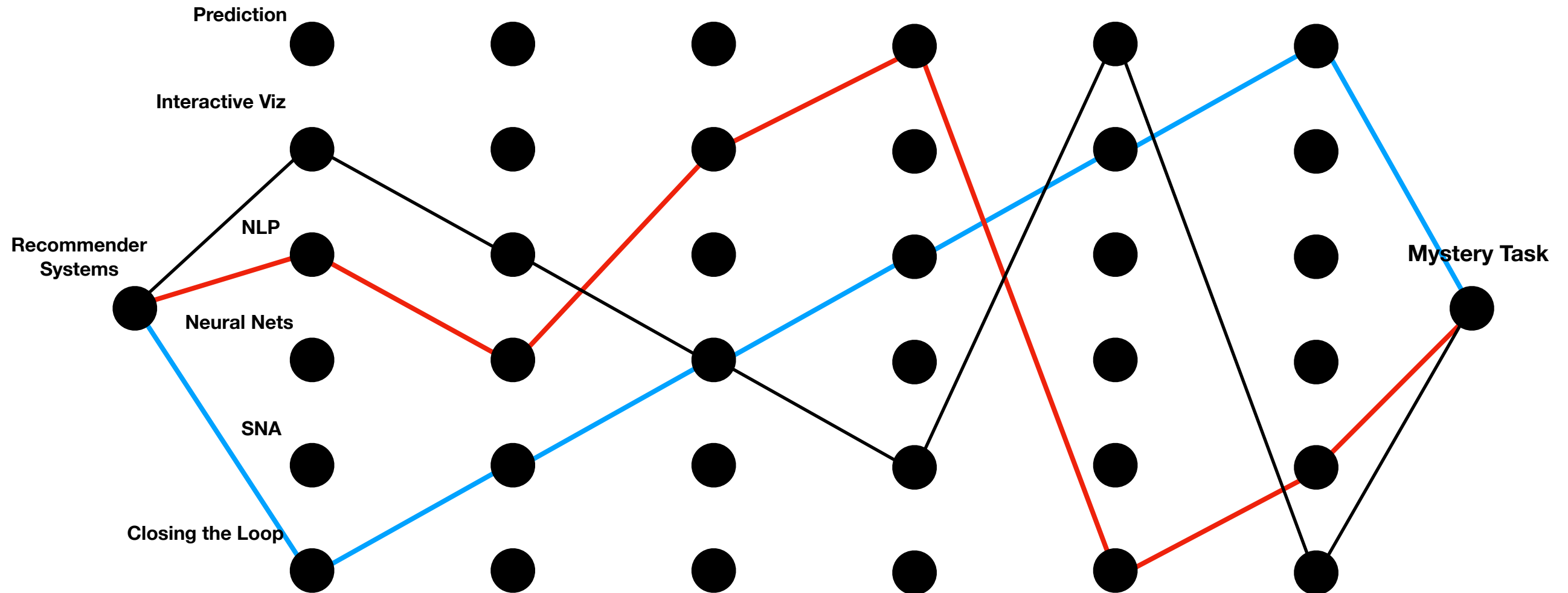
Format

- Check syllabus for weekly format
- Tutorial: In class work on unit or activity (Wednesday)
- Podcast: Either planning or recording (Monday)

Units

- Disaggregated: You do them in any order that takes your fancy
- BUT there is no choice in the first and last units
- Complete one unit every \sim two weeks

Units



Why?

- Content isn't necessary cumulative
- Learning is more effective if you can follow your own interest
- Students are better arbiters of what they need to know than instructor
- Promotes self-motivated learning
- More time getting instructor feedback
- Get to test the tool you build in unit 1

If you did not take HUDK4050

- Must see me at the end of class

If you did take HUDK4050

- Assignments are more difficult in HUDK4051
- But you will get more assistance

Immediate to dos:

- Take a look at Recommender Systems
 - Issues tab
 - Additional material
- Survey
- Sign up for podcast

Questions?

- Office Hours

To Dos

Unit Survey

<http://bit.ly/hudk4051survey1>

Podcast Signup

<http://bit.ly/hudk4051podcastsignup>