HUDK 5053: FEATURE ENGINEERING STUDIO

9/12/18 8:57 AM

Events

Title	Date	Link
Data for Good	1:00pm September 14	https://events.columbia.edu/cal/event/eventView.do?b=de&calPath=%2Fpublic%2Fcals%2FMainCal&guid=CAL-00bb9e25-658f087d-0165-91a9e5b4-000013a7events@columbia.edu&recurrenceId=
C++: An Invisible Foundation	4:00pm September 13	https://events.columbia.edu/cal/event/eventView.do?b=de&calPath=%2Fpublic%2Fcals%2FMainCal&guid=CAL-00bb9e25-64bd60c9-0164-dc78bcca-000051e6events@columbia.edu&recurrenceId=
People centric approach to optimize Data Science, Commercial impact and Leadership	10:30am November 14	https://events.columbia.edu/cal/event/eventView.do?b=de&calPath=%2Fpublic%2Fcals%2FMainCal&guid=CAL-00bb9e24-655b8449-0165-5e0ea7e9-00001957events@columbia.edu&recurrenceId=
Data Driven NYC	6:00pm September 12	https://www.meetup.com/DataDrivenNYC/
LinkedIn NYC Tech Talks	6:00pm September 12	https://www.meetup.com/LinkedIn-NYC-Tech-Talks/

What is a feature?

A feature is the specification of an attribute and its value (Kohavi & Provost,1998)

A feature is an individual measurable property of a phenomenon being observed (Bishop, 2006)

Is a feature a covariate?

Is a covariate a feature?

What features might be related to grades?

Today

- Course logic & structure

- Assessment

- What is a feature?

Syllabus

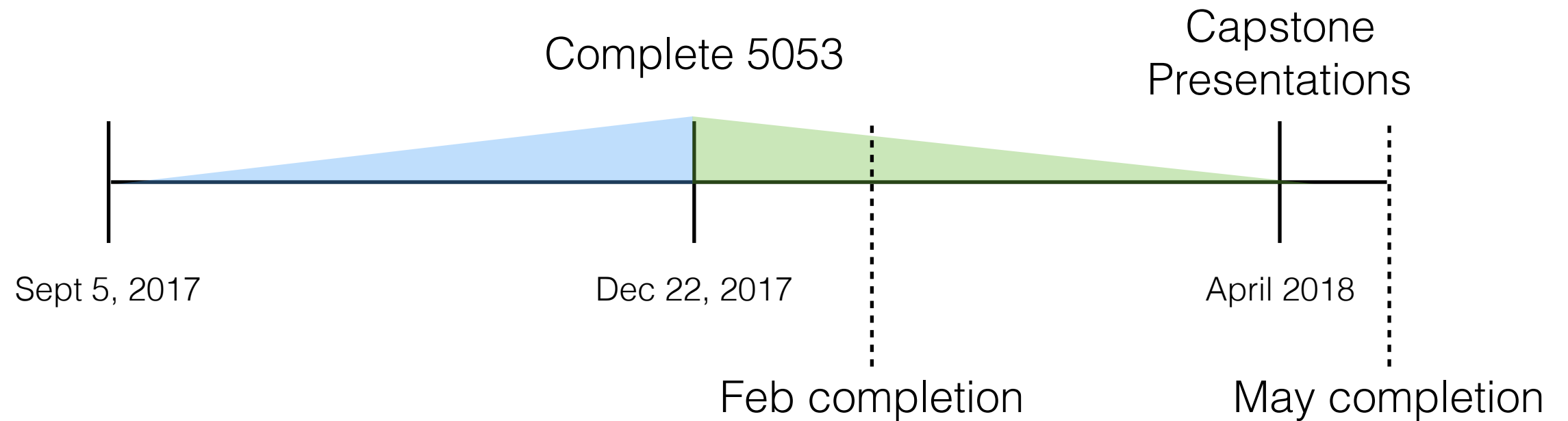https://github.com/feature-engineering-studio/syllabus

Course Structure

- Develop a project <u>based on a brief</u> from an organization

- Projects are <u>group based</u>

- Organizations <u>have been pre-organized for you</u>

- Projects *should* become <u>group-based capstone projects</u>

  "The requirements for a master's degree shall normally include at least one of the following: passing a comprehensive test, writing a thesis based on independent research or completing <u>an appropriate special project</u>."

  NYSE, <u>http://www.highered.nysed.gov/ocue/aipr/guidance/gpr6.html</u>

Course Structure

Course Structure

- Tuesdays/Thursdays (late 😭)

- Some flexibility in how this will work, dependent on placement demands

Course Logic

- To demonstrate to people outside TC that you can do stuff

- To launch your career in LA

Capstone Assessment

- A deliverable <u>defined</u> in negotiation with your placement site

- Presentation of your work in March

Questions?

Survey

http://bit.ly/2eH6jKa

Due: 5pm Today, Sep 7, please take your time to read over all descriptions