Analytics Open Labs

October 7, 2016

Sign In

Find Chris Thuringer and tell him your link blue id!

We are now using Tagger to track attendance at Open Labs.

Slide decks will be available on our IRAA website after each session.

Open Labs schedule

9:00 AM - This will remain beginner hour presentation and one-on-one analyst sessions

9:30 AM - We will have a presentation targeted at 'consumers' that covers data available on the IRAA website and Tableau Server. You all are more than welcome if it is a topic you are interested in. Depending on turnout, we may be able to keep the rooms separated during the 9:30 session so conversation/analyst sessions can continue.

10:00 AM - We will have a presentation targeted at 'creators' that covers a variety of topics. I am hoping that these presentations last 20 to 30 minutes to allow time for questions on other topics and collaboration after.

Presentations will be announced 4 to 6 weeks out. This is to allow for flexibility in what is covered.

http://www.uky.edu/iraa/hana-and-tableau-training

Fall 2016 Analytics Open Labs

10/7/16
9:30 AM - Students in my college: How do I count them (Mary Kathryn and Craig)
10:00 AM - IRAA development cycle: What is in STUDENT_TEST these days (Mary Kathryn and Craig)

10/21/16
9:30 AM – Primary Instructors: courses taught, student credit hours, and other metrics (IRAA Team)
10:00 AM – Data governance / usage guidelines; HANA and Tableau permissions; data security issues

11/4/16
9:30 AM – Institutional Enrollment Dashboard
10:00 AM – Data Quality - Who do I call when I have questions about data quality?

Training Page http://www.uky.edu/iraa/hana-and-tableau-training
Past Open Lab presentations   http://www.uky.edu/iraa/open-labs-presentations
Send suggestions for additional topics to analytics@uky.edu

Tableau v10.0

Tableau Server is now upgraded to v10.0.

It is **<u>recommended</u>** that Tableau Desktop users upgrade to v10.0.

- Older versions of Tableau Desktop:
    - **<u>CAN</u>** publish to Tableau Server
    - **<u>CAN NOT</u>** edit workbooks created or modified in Tableau Desktop v10.0

To upgrade, just download install the latest version of Tableau Desktop from <u>www.tableau.com</u> or <u>http://www.tableau.com/support/esdalt</u>. It should be quick and painless!

Tableau Server & Desktop v10.0 - New Features

Most users will only notice superficial updates on both Server and Desktop - new fonts, stylings, etc.

Mac users can connect directly to HANA! Alex Dixon has created step-by-step instructions, available on IRAA website: http://www.uky.edu/iraa/resources-support

Students in my College, Department, Major

Specializations Headcount in Student Reports

Specializations Headcount Detail in Student Reports Detail

This dashboard shows the number of enrolled students in each Specialization (major, minor, option, specialty, or subspecialty).

https://analytics.uky.edu/#/workbooks/3184/views

https://analytics.uky.edu/#/workbooks/4247/views

What does Specialization mean?

Specialization Levels

Major
Minor
Option
Specialty

What about Certificates?

Qualification Levels

Baccalaureate
Doctorate-Graduate
Doctorate - Professional
Graduate Certificate
Master's
Post Master's Graduate Cert
Specialist
Undergraduate Certificate

Effective Time Point

The Effective Time Point filter allows you to choose whether to look on the

term **Census Date** (approx. 1 week after start of classes) or

at the **End of Term** (last day of the term for previous terms, today for the current term, first day of the term for future terms).

Total Enrollment

All counts are of Distinct Students. For instance, a student with two majors in the same College will be counted in both majors, but only once for the College total.

Effective Time Point and Total Enrollment

https://analytics.uky.edu/#/views/SpecializationsHeadcountDetail/SpecializationsHeadcount?:iid=3

Specializations Headcount - Students

Want to know who the students are that make up the Total Enrollment number?

Hierarchies

This worksheet counts enrolled students using two hierarchies:

Specialization College >Specialization Department > Specialization > Specialization Level > Specialization Priority

Degree Type > Qualification Level > Degree > Degree Priority

https://analytics.uky.edu/#/views/SpecializationsHeadcountDetail/SpecializationsHeadcount?:iid=3

Hierarchies

The bar is the distinct count of students.

This worksheet counts enrolled students using two hierchacies:
- Specialization College > Specialization Department > Specialization > Specialization Level > Specialization Priority
- Degree Type > Qualification Level > Degree > Degree Priority

Is Specializations Headcount on the IRAA website?
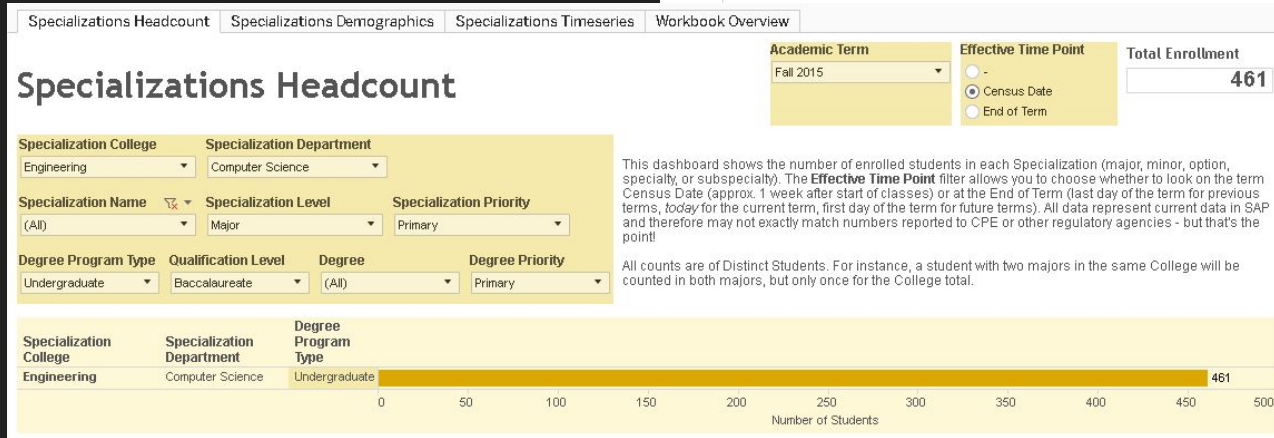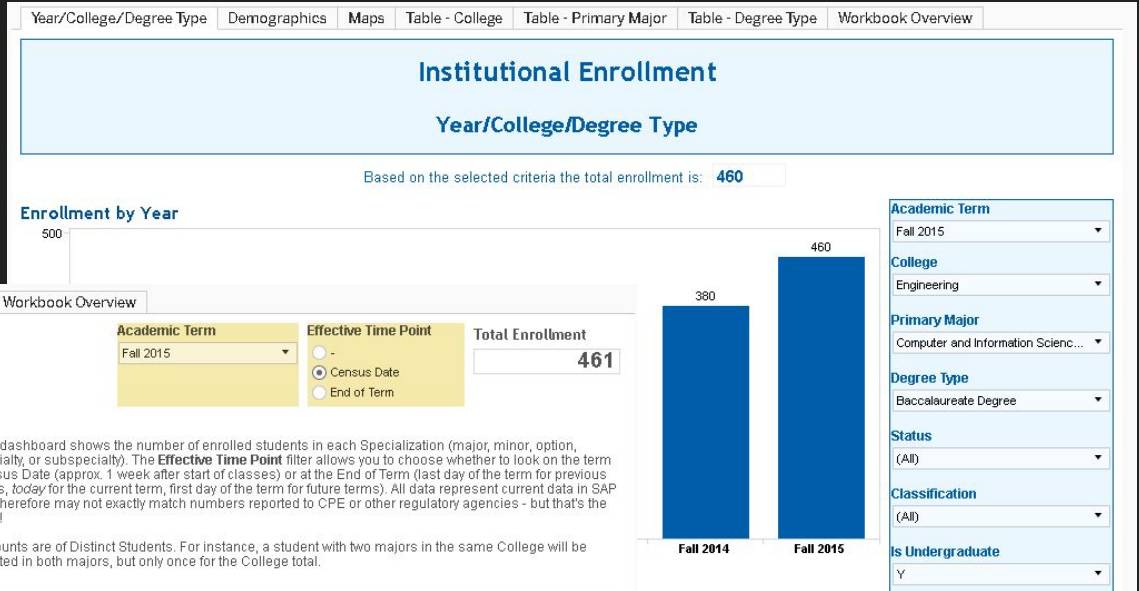
How does this relate to Institutional Enrollment?
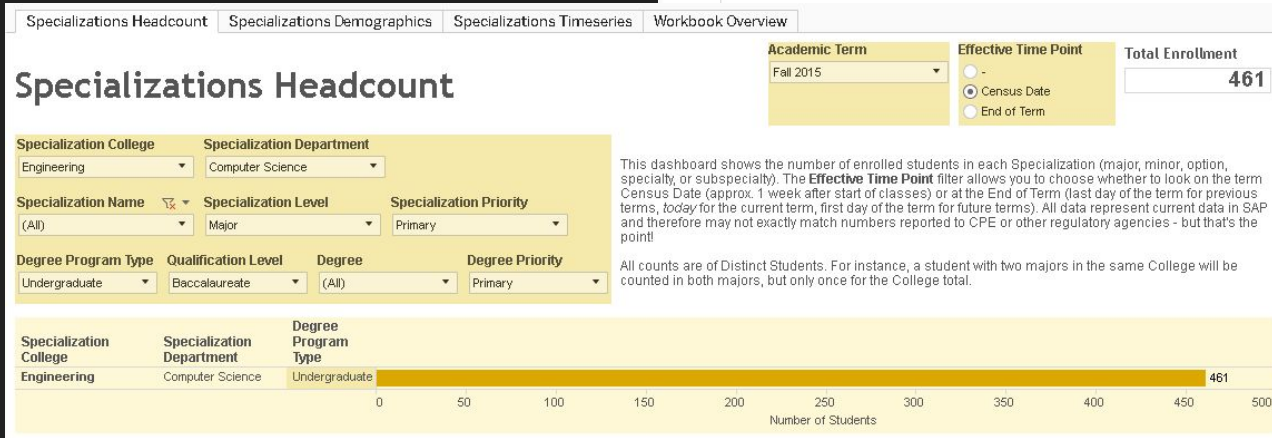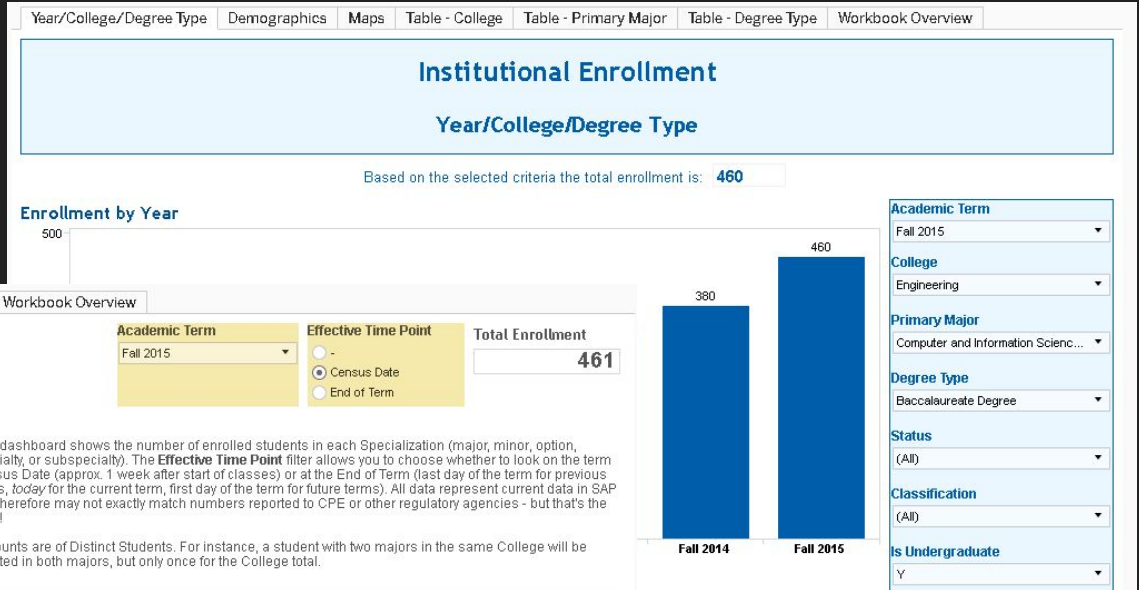
Time Series

Change color code to
Specialization Name

Look at growth or decline
By College, Specialization,
Department
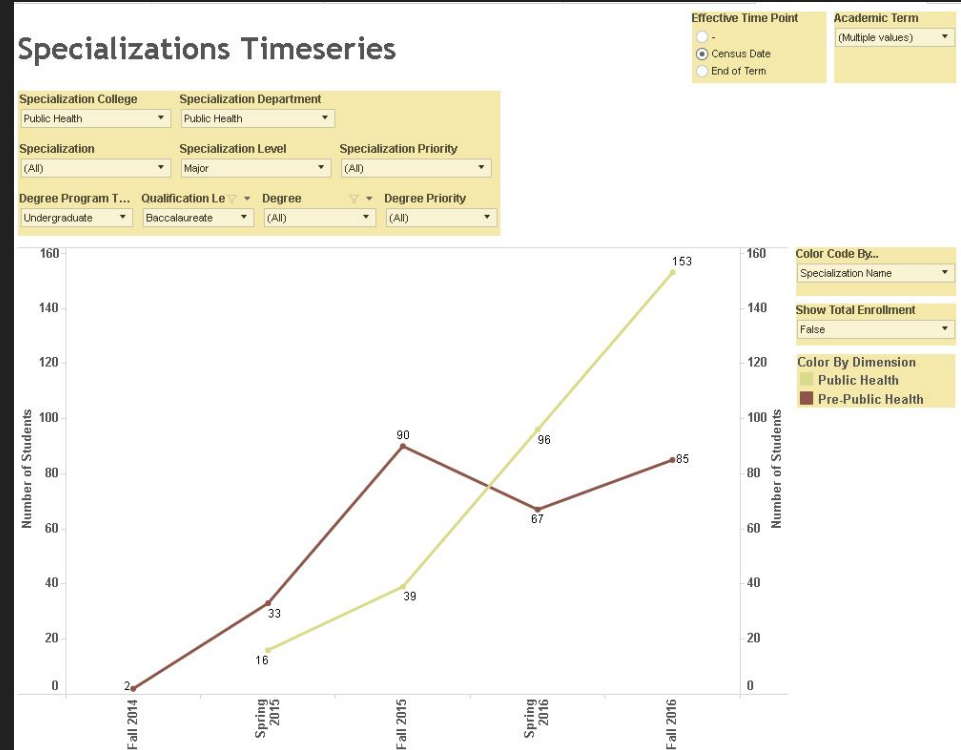
Analytics Development Cycle

Analytics Development Cycle - how do we use STUDENT_TEST in our development cycle.

Recognize the need for a new data model.

First draft...Communicate it out to others for review.

What makes a good data model...lots of iterations…The Analytics Team does not know every corner case to validate.

Communicate about the new student or student detail version so users can swap their data sources.

Delete out of Student Test.

Student Reports Beta in Tableau Server

What if I want users in my College who don't have Tableau Desktop to validate the data in STUDENT_TEST?

- Download the data to excel?
- Create a PDF?
- Publish to Tableau Reader
- Publish to Analytics Community of Practice project folder
- Work with Analytics Team to publish the workbook to Tableau Server in the Student Reports Beta project folder

An Incomplete List of Incomplete Data Models

Student Test contains lots false starts, unfinished projects, one-time-use tables, and other assorted junk

But there's some treasure to be found if you know where to look…

Keep in mind that data in STUDENT_TEST can be on views (extra steps to ensure performance have not been taken yet)

Keep in mind that the data may be a table that is not updated on a regular basis

ADVISOR_STATS_PER_TERM

- The prototype of our new Advisor data model.
  - Actively being developed!
- All advisors (primary, secondary, etc.) for all enrolled students
  - Every student will have ONE primary advisor per term
- Advising lists will exactly match the Advising Hub
  - Flags to indicate current date data

CLASS_SECTION_ATTRIBUTES

- Prototype of new event planning data models
  - Under active development
  - Being vetted by Dave Timmony and Event Planning staff
- Single source for all data related to Classes and Sections
  - Class College, Section Title, Primary Instructor, etc.
- Will eventually replace COURSE_DETAILS, about half the fields in ENROLLMENT, populate CPE submissions and more!

ENROLLED_STUDENTS_INSTITUTIONAL_REGULATORY_PRELIMINAY_CPE_IPEDS

- We moved it to STUDENT last week!
  - ENROLLED_STUDENTS_CPE_IPEDS
- The basis for all Regulatory Reporting, official metrics, and hopefully soon all student data!
- New dashboard is actively under development
  - On agenda for 11/4 Open Lab

CAMPUS_HOUSING

- Housing data for all on-campus housing each term
  - Census date snapshot
  - Includes LLP cohorts
- Flat files shipped from Housing Office (Justin Blevins)
- Temporary solution until live data feed from Starrez is developed
  - Currently working with Housing (Melissa Pero) to get live data feed working in HANA

In which Craig eats his liver...

MAJOR_CHANGES
- The basis of the Major Changes dashboard
- At some point this will need to be moved to Student
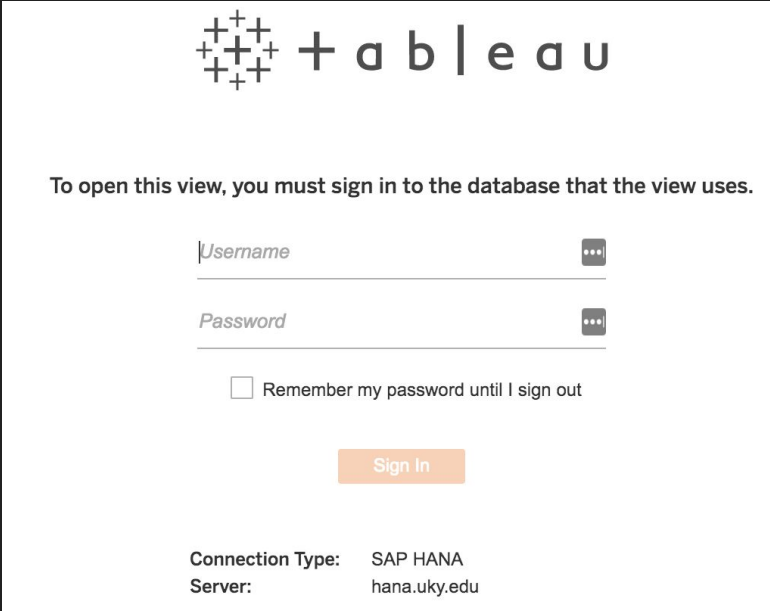 - But that today is not that day...

GRADUATE_STUDENT_COHORTS
- The basis of the Graduate Student Graduation rates we started working on earlier in the year.
- This will have to be prioritized again before the end of the year.

Tableau Server v10.0 - Workbook Connection Issues

A lot of workbooks have been getting this
error/login screen.

Alex Dixon has the solution!