College of Communication and Information

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Institutional Research & Advanced Analytics (IRAA): http://www.uky.edu/iraa/resources-support

Request Access to Tableau Server: http://go.uky.edu/GetTableau

Tableau Training Videos: http://www.tableau.com/learn/training?qt-training_tabs=1#qt-training_tabs

Tableau Server Login: https://analytics.uky.edu/

> **PROJECTS** (folders) ~ **DASHBOARDS** (combined workbooks) ~ **WORKBOOKS** (individual reports)
> Student Reports, College of Communication and Information, Analytics Community of Practice

HANA Code Book: https://analytics.uky.edu/views/CodeBook_0/HANACodeBook#1 (login required)

> **SCHEMA** (STUDENT, STUDENT_DETAIL) ~ **TABLES** (ENROLLMENT_STATS_PER_TERM) ~ **FIELDS**
> **DIMENSIONS** (categorical independent variables) ~ **MEASURES** (dependent variables)
> **CENSUS** (day after the last day to add a class) ~ **END-OF-TERM** (real time minus 24 hours)

IRAA PUBLIC DATA

> **Student Data**: http://www.uky.edu/iraa/student-data
> (Applicants, First Year, Enrollment, Diversity, Graduation, Retention, Credit Hours, Degrees
> Awarded, Tuition and Fees)

> **Faculty Data**: http://www.uky.edu/iraa/faculty-data
> (Appoints and Demographics, Average Salaries, Worklife Results, Course Staffing,
> Salary Survey, Teacher Course Evaluations)

The Student and Faculty Data Dashboards on the IRAA website do not show data for the current academic year. This data is approved by the University of Kentucky in **October**. The dashboards maintained by IRAA are typically updated in **November**.

CI COLLEGE DATA   http://ci.uky.edu/ci/ci-tableau-data
College Enrollment, Credit Hours, Retention and Graduation Rates, Degrees Awarded (**Student Reports**)
Major Changes (Project: **Analytics Community of Practice**)
Student Credit Hour Growth (**College of Communication and Information**)

GLOSSARY

BIG DATA   **V**ariety (FORMS structured and unstructured), **V**elocity (SPEED: batch and streaming),
Volume (SCALE: Terabytes to Zettabytes), **V**eracity (data UNCERTAINTY)
http://www.ibmbigdatahub.com/infographic/four-vs-big-data

CPE   Council on Postsecondary Education
CPE Home: http://cpe.ky.gov/   CPE Data Portal: http://cpe.ky.gov/info/

FERPA   Family Educational Rights and Privacy Act. Protects the privacy of student education
records http://www2.ed.gov/policy/gen/guid/fpco/ferpa/index.html

GRS   NCES IPEDS **G**raduation **R**etention **S**urvey; determines business rules for defining
a specific GRS COHORT for first-time degree/certificate-seeking students (see NCES)

IPEDS   NCES Integrated Postsecondary Education Data System
http://nces.ed.gov/ipeds/   Data Center: https://nces.ed.gov/ipeds/datacenter/

NCES   National Center for Educational Statistics   https://nces.ed.gov/
Determines business rules for defining reporting calculations (enrollment, retention,
student to faculty ratio, GRS Cohort, Undergraduate Entering Class, etc.)
https://surveys.nces.ed.gov/ipeds/VisFaqView.aspx?mode=reg&id=3&show=all#130

SAP   Systems, Application, and Products in data processing (English translation)
http://go.sap.com/index.html

SAP HANA   **S**ystems, **A**pplications and **P**roducts in Data Processing
High-Performance **AN**alytic **A**ppliance
Real-Time Relational Database Management System
https://hana.sap.com/abouthana.html
https://en.wikipedia.org/wiki/SAP_HANA

TABLEAU   Business Intelligence **Visualization Software**   http://www.tableau.com/

TABLEAU DESKTOP   Desktop **authoring** software used to **build** data workbooks & dashboards
Academic Programs provides Free Access to Tableau Desktop
http://www.tableau.com/academic
Students can download Tableau Desktop for free:
http://www.tableau.com/academic/students
Download Tableau Software: http://www.tableau.com/support/esdalt
TABLEAU SERVER   Cloud-based software to **view** and **interact** with workbooks and
Dashboards. University of Kentucky is currently using Tableau Server 9.3
http://www.tableau.com/products/server