High School Feedback Workbook
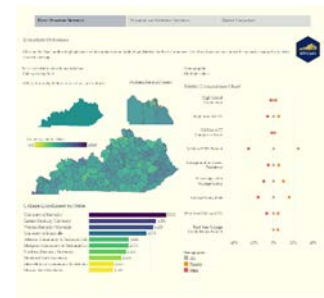
Technical Notes and Walkthrough

The High School Feedback Workbook (HSFW) is produced by the Kentucky Center for Statistics (KYStats) utilizing data from the Kentucky Longitudinal Data System (KLDS). The KLDS includes data from the Council on Postsecondary Education (CPE), the Kentucky Department of Education (KDE), and the Kentucky Higher Education Assistance Authority (KHEAA). This workbook also utilizes publically available data from the Kentucky Department of Education School Report Card and United States Department of Education. This workbook is a companion piece to the High School Feedback Report (HFSR), which provides key metrics at the individual high school level. The HSFW includes additional metrics and facilitates comparison between districts and by demographic group.
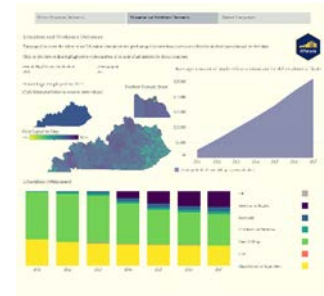
Occasionally data from one source will not conform to data from another source because of differences in cohorts, how variables are defined, how variables are calculated, the treatment of missing data, and other factors. Some values are suppressed to preserve individual privacy.

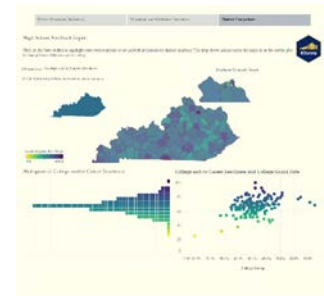This workbook is divided into three distinct sections:

District Education Outcomes: A dashboard view of 10 high school education outcomes for every district in the state. All three maps can be adjusted to show any of the metrics. These metrics are also shown to the right in the form of a dumbbell chart where you can compare how different demographics compare to the average of the state or district that is selected. Clicking the map will filter this chart. It will also filter the enrollments below the map to show the state values or district values you have selected. Enrollment is not filtered by demographics.

Education and Workforce Outcomes: A dashboard view of educational attainment, employment and student loans. All three maps show the percentage of the selected cohort employed in the year 2017. This is filterable by demographic and the cohort year can be changed from 2010. The slope graph on the right shows the running sum of student loans taken out by the average student in the cohort. This is filterable by year and by demographic. Below is the education attainment of the cohort selected. This is also filterable by cohort year. The legend can be used to filter the type of students who are shown in the student loan graph above.

District Comparison: A dashboard that allows you to see the dispersion of outcomes among counties and compare the scores to college going rate. The District Comparisons tab shows the same information as Dashboard 1 but allows you to see the correlation between high school metrics and College Going Rate in the scatterplot. The histogram allows you to see a districts rank and nearby districts in terms of metric. By selecting a state or district on the map you highlight that district or state value in the histogram and scatterplot.

List of metrics used in the High School Feedback Workbook:

College Going Rate

The percentage of 2015-16 public high school graduates who enrolled at an in-state public or independent college or university at any point during the 2016-17 academic year. Graduates enrolling at more than one postsecondary institution are counted only once. College going percentage for the cohort is calculated by dividing the total number of students with college credit by the Cohort Denominator provided from KDE's Graduation Cohort Number from their Graduation Rate (Cohort) from the School Report Card[2].

College and/or Career Ready

The percent of 2015-16 public high school graduates who were indicated as ready for college and/or career (as defined by KDE) calculated by dividing the total number college and/or career ready by the Cohort Denominator provided from KDE's Graduation Cohort Number from their Graduation Rate (Cohort) from the School Report Card[2].

FAFSA Completion

FAFSA total completions are taken from the US Department of Education[1]. FAFSA Cycles are for the academic year following graduation. Data are given at the high school level. Data are downloaded January using data from January of the following year. Example: 2015 high school graduates are a part of the 2015-2016 FAFSA cycle. The data are downloaded using the reporting from January 2016 using the data from the column titled 'Through December 2015'. These A1 numbers are aggregated into district totals to get total number of FAFSA Completions. This number is divided by the Cohort Denominator provided from KDE's Graduation Cohort Number from their Graduation Rate (Cohort) from the School Report Card[2].

High School Grade Point Average

The mean unweighted GPA of 2015-16 public high school graduates.

High School Graduation

Graduation percent taken from Kentucky Department of Education's School Report Card[2]. In 2011-12 AFGR_Actual is used. Every subsequent year the Four Year Cohort Rate is used.

Mean ACT Score

Calculated as the mean ACT composite score from the 2014-15 (junior year) statewide ACT administration for 2015-16 public high school graduates.

Percent with College Credit at High School Graduation

The number of 2015-16 public high school graduates who completed a dual credit course or who passed an AP Test. College Credit for the cohort is taken by dividing the total number of students with college credit by the Cohort Denominator provided from KDE's Graduation Cohort Number from their Graduation Rate (Cohort) from the School Report Card[2].

First Year College GPA

The mean first year GPA for 2015-16 high school graduates who enrolled in a Kentucky public 2 or 4 year postsecondary institution during the 2016-17 academic school year.

First Year College Credit Hours Earned

The mean first year college credit hours earned towards graduation for 2015-16 high school graduates who enrolled in a Kentucky public 2 or 4 year postsecondary institution during the 2016-17 academic school year.

Mean KEES Earned

Calculated as the mean KEES award amount earned by students who graduated from public high schools in 2015-16.

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[1] https://studentaid.ed.gov/sa/about/data-center/student/application-volume/fafsa-completion-high-school
[2] http://applications.education.ky.gov/SRC/DataSets.aspx

<u>College Enrollments</u>
The top ten in-state colleges and universities at which public high school graduates of 2015-16 enrolled during some point in academic year 2016-17. Counts are based on enrollments, meaning graduates are counted once for each postsecondary institution they attended. As a result, the sum of the number of enrollments at each institution may exceed the total number of graduates who attended college.

<u>Educational Attainment</u>
Educational attainment by year by cohort is calculated by taking the highest degree completed for each individual. Students that have enrolled in a postsecondary institution but have not finished a degree are grouped into 'Some College'.

<u>Employment Percentage</u>
Employment Percentage is the mean number of persons in a graduating high school cohort employed in 2017

<u>Average loans</u>
A year over year sum of the average amount of loans taken out by an individual (who takes out loans annually) starting with High school graduates of 2010. This value can be interpreted to provide the total sum of loans at a given time for an individual who takes out the average loan amount annually since the 2011 AY. This value can be filtered by demographic characteristics.

Redaction Rules

In an effort to protect citizen privacy, not all data is made public by this workbook. Any district that has less than 10 graduates has been redacted. In similar form, any time that either gender has a population of less than 10, both genders are redacted. Finally, anytime a race or ethnicity population is less than 10, it is redacted. If the total number of individuals redacted is less than 10, the smallest population is also redacted.

Example:

Demographic	Population	Redaction
All	100	100
Black, Non-Hispanic	12	*
Hispanic or Latino	4	*
White, Non-Hispanic	80	80
Other	4	*

Black, Non-Hispanic must be redacted due to the sum of Hispanic or Latino and Other being less than 10.