

Big Data in Education

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General Benefits

Helps consolidate info about a particular community

- Monitoring groups (schools, classes, individual students)



Aid in

- Decrease of drop out rates
- Increase in average student academics



Examples of Data Collected

- Before
 - Answers to assignments and exams
 - Late submissions
- After
 - Length of time it takes to answer questions
 - Questions skipped
 - Answers changed
 - Time of submittance

How Big Data is Used



Improving
Academics

Customizable
Programs

Reducing
Dropouts

International
Recruitment

Big Data Advantages

Answers intricate questions

- Quality of students' work between teachers, classes, departments, schools

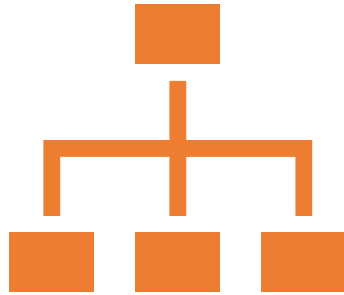
Accessibility and compilation

- Wide range of student populations info all under one system

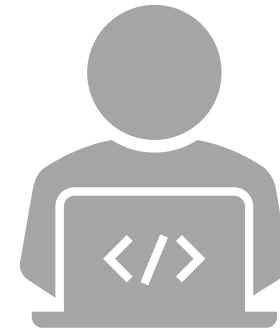
Cost Effective

- Paper to virtual saves time, physical resources
- Allows for usage of data analysis

LMS and SIS



Learning Management System
(LMS)



Student Information System (SIS)

Companies



Naviance

College and career readiness tool

Takes a student's info and matches them to colleges and majors

Helped the School District of Philadelphia increase scholarship applications by 20% and graduation rate to 67%

Illuminate Education

A K-12 education intelligence platform

Its data and assessment tool gives teachers instant feedback on student progress, helps determine appropriate pacing per student, and understands the needs of each student

Overgrad

Navigates college and career opportunities

Provides potential colleges and career lists, builds portfolios, sends transcripts, plans courses, etc.

Uses SISs to keep track of a student's education and provide insights for counselors

Thank You



Sources

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