

Predictive Analytics

Harper College Board Meeting March 20, 2013

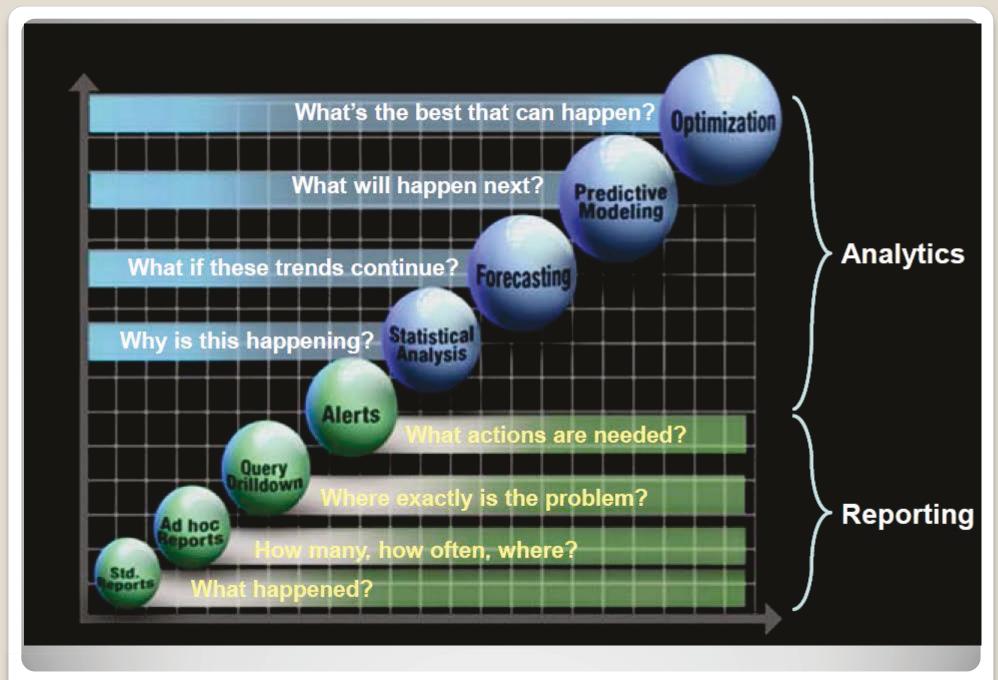
- What is data analytics?
- How our team could utilize it?
- How could it benefit our students?
- What we need to leverage it effectively?



Predicting Success at Harper



We experience it every day



From Reporting to Analytics

What if we combined all that we know:

- High School GPA
- Placement Scores
- Attendance Patterns
- Engagement on Campus
- Progress in Course Work
- Age
- Pell Eligible
- Full Time vs. Part Time
- Ethnic Background
- First Generation College
 Attendee



Aggregating Data

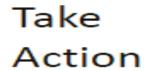


- Abilities
- Counseling
- Program of Study
- CourseScheduling
- Support Services
- Placing into supported classes prior to experiencing failure

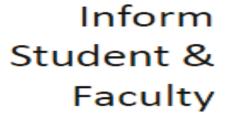
Removing the Guesswork

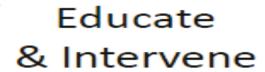
Integrate Data

Assess Risk

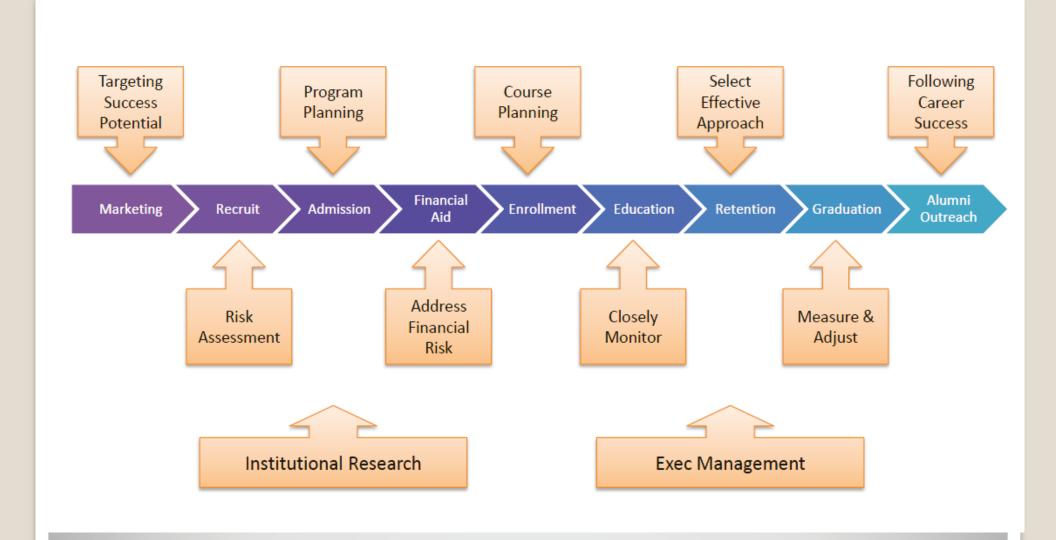








Improving Personalized Experience



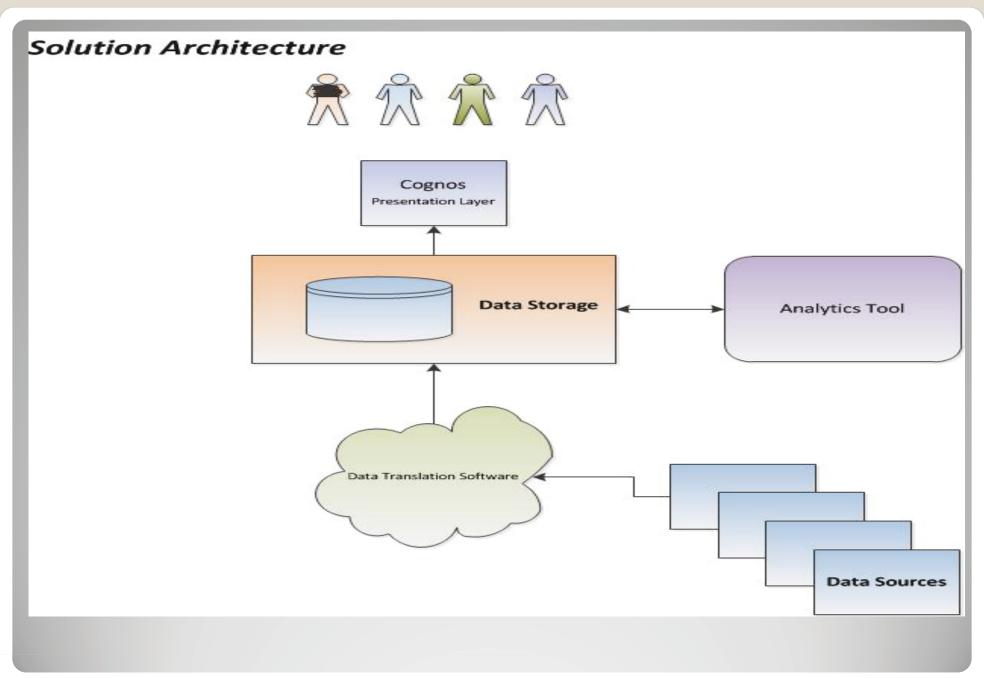
Improving Student Support Across the Pathway

- Single login
- Easy to understand
- Monitors students
- Alerts when student begins to slip
- Graphical interface

 Ever improving predictions for personalized student educational solutions

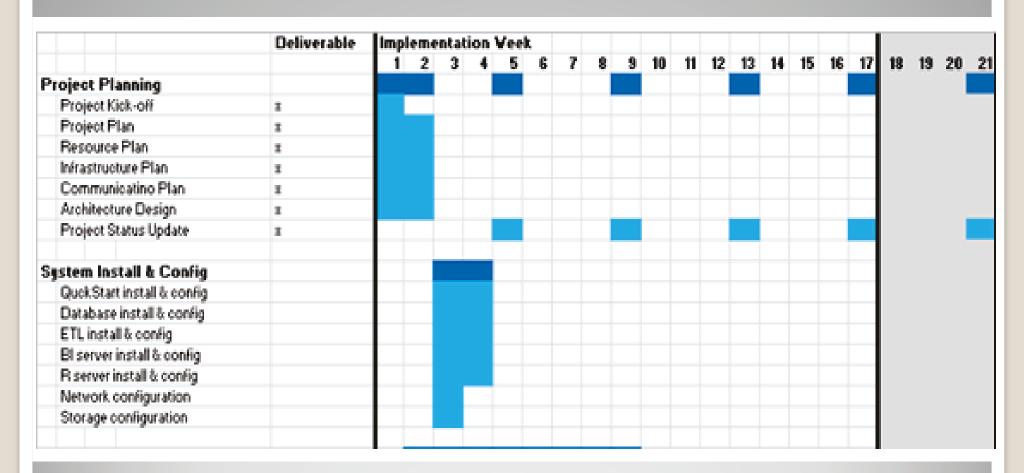


Ease of Use for Harper Staff

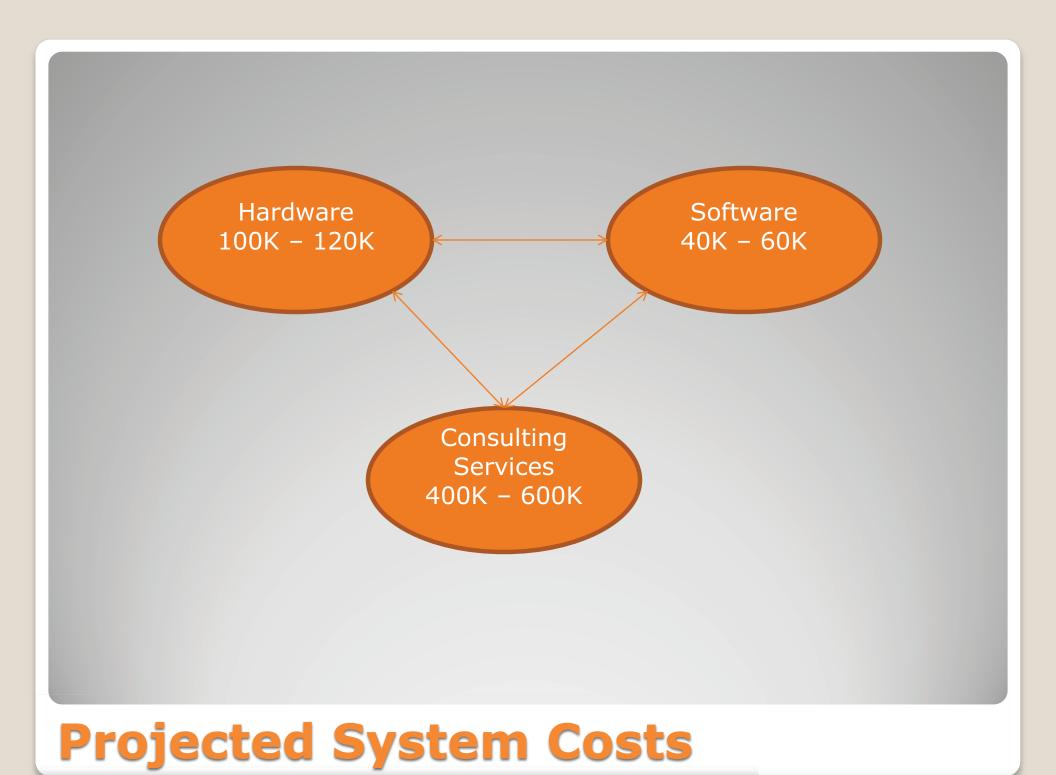


Technology – High Level View

Estimated 18 to 26 weeks after parameters defined



Implementation Timeframe





Predictive Analytics =
Personalizing and Increasing
Student Success



HARPER COLLEGE

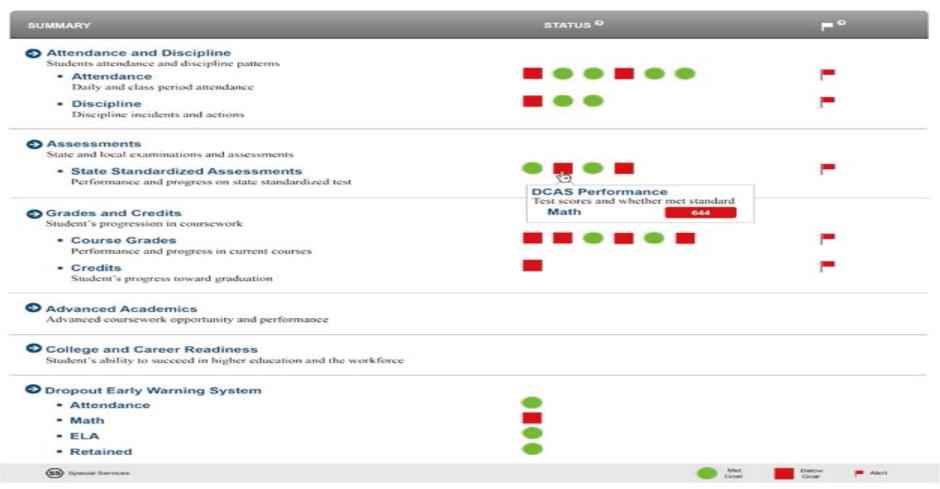


Questions



Darren K. Rutland Profile

- Student last tested as Advanced on 9th grade DCAS Reading.
- Student last tested as Well Below Standard on 9th grade DCAS Mathematics.
- Student last tested as Met Standard on 8th grade DCAS Science.
- Student last tested as Below Standard on 7th grade DCAS Social Studies.
- · Student has the following warnings in the Dropout Early Warning System:
 - Math

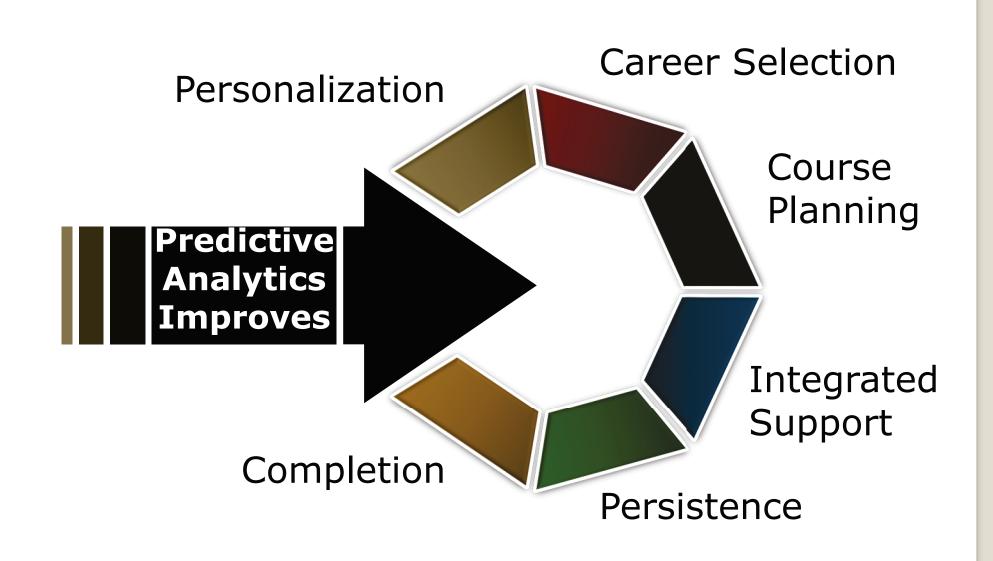


What if we knew all of our Darrens?

- Data Warehouse
- Data Dictionary
- Customized dashboards by role

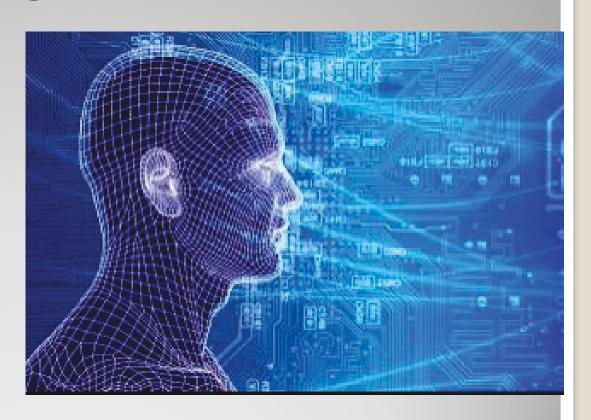


Additions to Harper Capacity



Goes Beyond Reporting

- Pattern recognition
- Predictive
- Prescriptive
- Inferential



Really Knowing Our Students