



# Predictive Analytics

## *Consideration of Options*

*Mr. Andy Corbin, CTO WCCC*

**Casper College**



# Andy Corbin

- Operations Director
  - Project--Trib.com
- IT Manager
- Adjunct-Casper College
- VP of Technology
- IT Administrator
  - Appointed by Governor to HIE
  - Identity matching across 68 programs
- CTO-Community College Commission
  - Created ERP for Family Literacy Program
- Used to have the Wyoming State record, 1268lbs growing at an elevation of 6100





# Where We Started

2012

- Migrate our systems from HP-UX to Windows Server
- Moved from Unidata to MSSQL as the database

Continued work with the community colleges to agree to share data.



Created a custom system (Data warehouse) to take files from each college.

- Bi-monthly downloads with student data being downloaded nightly.
- Leverages SAP Business Objects
- The Data Committee was promoted to the Data Governance Institutional Research Council.
- Created an application the colleges use to make sure the data conforms to the agreed upon standards



# Received a very small appropriation

- ▶ **Identity Matching Software**

- ▶ OtisEd

- ▶ **Visualization Software**

- ▶ Tableau

- ▶ **Predictive Analytics**

- ▶ Started with the vendor who scored the best in the RFP, but was clearly not a good fit.



# Exhaustive Research and Demos

- Civitas
- EAB
- Nuro Retention
- Rapid Insight
- Starfish by Hobsons
- Enrollment Builders, RNL, Capture.....

It was discovered that this is just not a data analytics project, but that there are opportunities to support student attainment.





# Assumptions

- ▶ UW is interested in participating, but will not be involved in the community college's final decision.
- ▶ The community college presidents will be making the final selection of the product with guidance/suggestions from their local IR directors, CIOs and AAC/SSC input.
- ▶ The AAC and SSC will drive the project at their institutions and coordinate any internal meetings with IT/IR/presidents.



# Potential Risks

- ▶ We currently have permissions by State procurement to purchase the analytics product without issuing a RFP first, based off prior research and prior RFP process.
- ▶ The business case supports the predictive analytics piece, but might not support the front-end “student-engagement” piece
- ▶ What is the cost in staffing to run this product at a college?
- ▶ Will college faculty adopt the use of the product?
- ▶ Will the product meet the expectations integrating into Colleague and Canvas





# Options For Moving Forward

- Consider participating in the EAB and Civitas demos hosted by LCCC.
  - EAB-October 9<sup>th</sup>
  - Civitas-October 16th
- Please feel free to reach out to me if you have any questions or concerns. **[andy.corbin@wyo.gov](mailto:andy.corbin@wyo.gov)**