

Topics

Objective: Review predictive analytics opportunities for the District using future data and systems

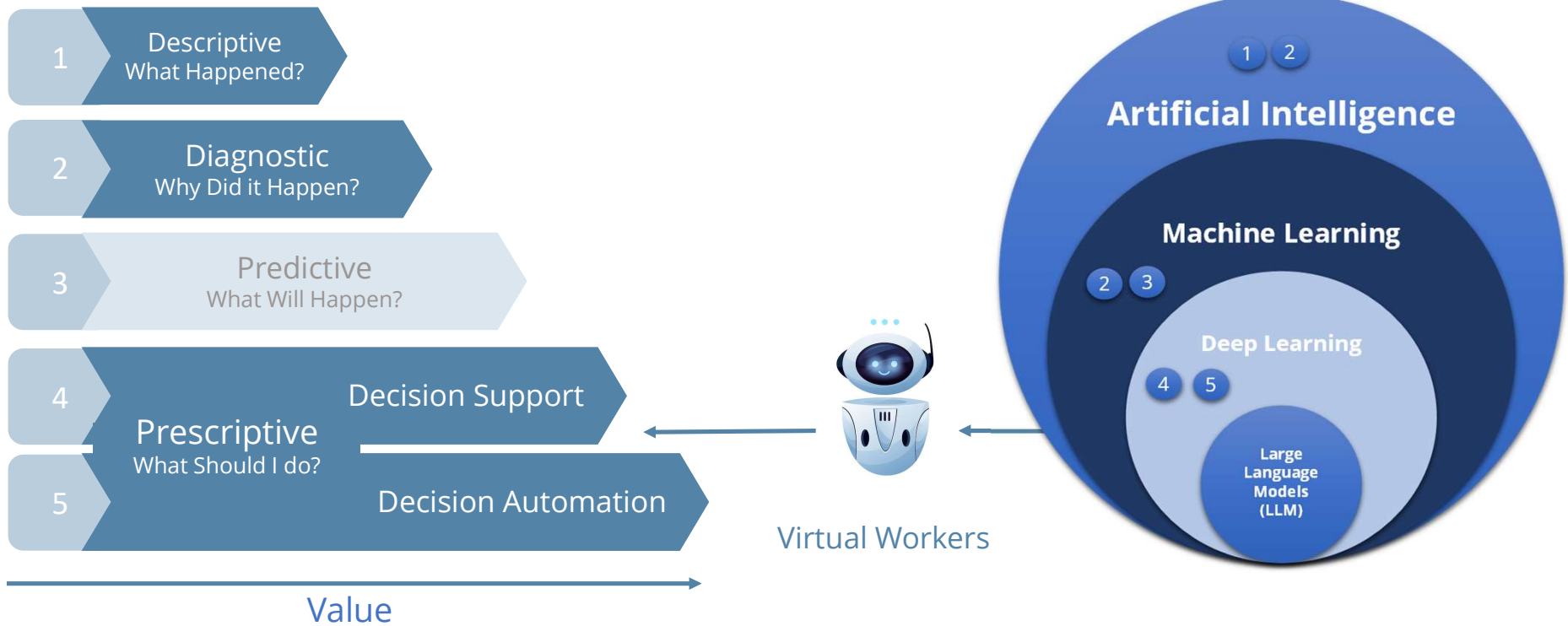
Data | Analytics Subject Areas and Variables

Opportunities | Predictive Analytics Roundtable

Systems | Analytics Architecture

Appendix | Experiments 101

Data, Decisions and Actions



Predictive Analytics

In Production

1. Psychometric Scoring of Transcripts
2. Course Taking Pattern Classification
3. Negative Outcome Risk Probability
4. School Climate Forecasting
5. Shock Event Prediction
6. Post Secondary Readiness
7. Dual Enrollment Readiness
8. Major Readiness
9. Student expected performance and gains on state assessments

Future

1. Scheduling Assistant
2. Teacher - Student Match Prediction
3. Impact of absences and discipline referrals on graduation rates
4. Absences at year-end, both at the district level & school (Cumulative as well)
5. Career pathway readiness

Predictive | Post-Secondary Readiness

CFEED's research has found students who **complete three to five core accelerated courses** (AICE, AP, Honors, IB, etc.) with roughly a B average **are post-secondary ready**.

Expected



21%

VC Attrition Rate

Probable



42%

VC Attrition Rate

Approaching



67%

VC Attrition Rate

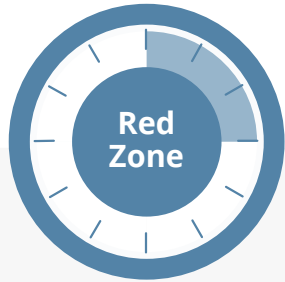
Beginning



81%

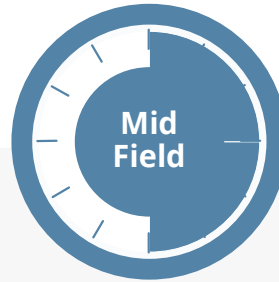
VC Attrition Rate

Microsoft Platform Capabilities



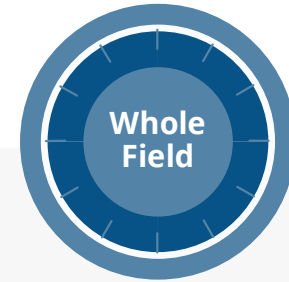
- ✓ Visualizations & CoPilots

PowerBi



- ✓ Data Lake, Data Pipelines
- ✓ AI & Streaming Analytics

Fabric

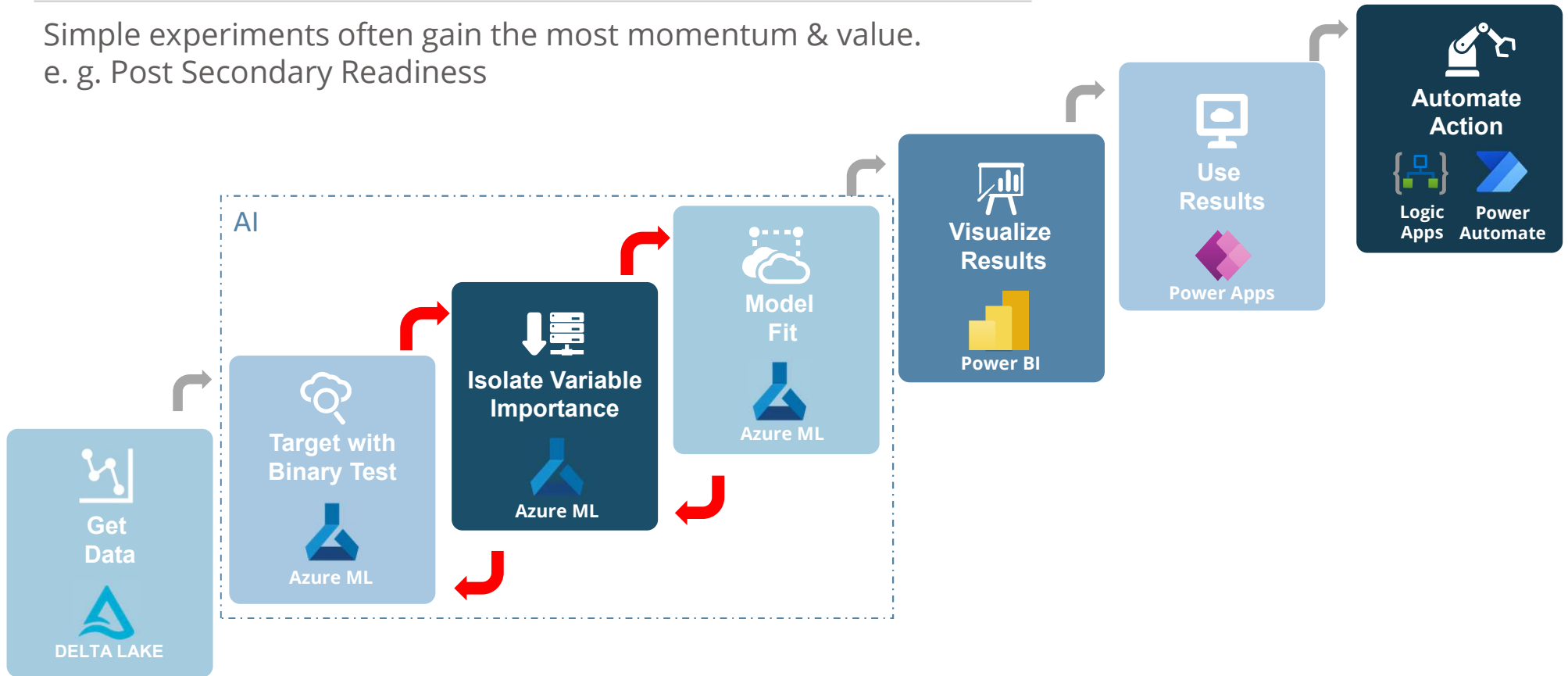


- ✓ Full Services Platform
- ✓ Enterprise Scale
- ✓ Best Cost to Value Ratio

Azure

Experiments

Simple experiments often gain the most momentum & value.
e. g. Post Secondary Readiness



Discussion



serverless
data management
virtual workers

ai ml
gateway
low code
automation
powerplatform
bot