State Longitudinal Data System (SLDS) – Connecticut

Ajit Gopalakrishnan, Bureau Chief
Connecticut State Department of Education
Performance Office
The second option feels right. Let's go with that.

Should we always ignore what the data says, or is this more of a one-time thing?

It's called intuition.

It's a slippery slope to witchcraft.
Two Perspectives of the CT SLDS

- *Intra*-agency
- *Inter*-agency
I STAND UPON MY DESK TO REMIND MYSELF THAT WE MUST CONSTANTLY LOOK AT THINGS IN A DIFFERENT WAY

Dead Poets Society

IF YOU WANT SOMETHING YOU’VE NEVER HAD, THEN YOU’VE GOT TO DO SOMETHING YOU’VE NEVER DONE
Intra-Agency: Data Warehouse Flow and Access (CSDE)

Data Warehouse (Dimensional)

- ETLs

Operational Data Store (Relational, CEDS-mapped)

ETLs

- Other Sources (SAT, AP, Smarter Balanced)

- Aggregate Data (suppressed)
- Class/Student Data (not suppressed)

Public

Administrators, Teachers, CSDE

Students

Staff

Organizations

Finance

Data from Districts
Questions a DW Can Answer

- What is the relationship between experiencing disciplinary sanctions in the early grades and attendance, discipline, and achievement in the later grades, and ultimately high school graduation?

- How long does it take new immigrant students in middle school with limited English proficiency to match the academic proficiency levels of their English proficient peers?
What coursework in middle/high school changes the academic trajectory of historically under-performing students so that they are academically ready for colleges/careers by 11th grade?

Why types of placement and coursework enable elementary students with certain disabilities to accelerate academic growth and close the achievement gap?
Benefits of a DW (if done right)

- Integrates Data and Staff Silos
- Ensures High Data Quality
- Promotes Consistent Analyses
- Provides Historical and Longitudinal Intelligence
- Saves Time and Resources (long-term)
- Serves as Central Store for Inter-agency Efforts
Overcoming Challenges

- Build in parallel
- Customize vs out-of-box development
- Master Data Management
- Culture change
- Suppression
- Hosting environment
- Reporting expertise
EdSight Development

The new site is a result of efforts by CT Department of Education staff, district and school administrators, teachers and parents. It is supported by federal and state funds. Many new reports across various data domains will be released over the next 5 months. See Process & Schedule for specific information.

Purpose

The purpose of this site is to provide one location for the public to access CT Education data. CSDE analysts are using the data warehouse behind this site to provide consistent, complex analysis to internal and external requestors. By the end of the school year, CT school and district staff will have secure access to timely, longitudinal information about the students they serve.
Inter-Agency: P20 Workforce Information Network (P20WIN)

Vision

P20 WIN will inform sound educational policies and effective program practices through secure sharing of critical longitudinal data across state agencies to ensure that individuals successfully navigate educational pathways into the workforce.
Why P20 WIN matters

- What is the relationship between student participation / performance in specific high school courses and their corresponding success in credit-bearing college courses?
- Do Early College programs make a difference in college persistence rates?
- Which teacher training programs need to be strengthened and how?
- Have programs designed to serve local workforce needs resulted in employment for program completers?
P20WIN Structure & Components

- Agency Collaboration
- Data Governance Structure for decision making and operational management
- Probabilistic & Deterministic Data Matching Process
- Suite of data sharing agreements with templates to increase efficiency

Additional organizations, for example:
- UCONN
- Early Childhood Office
- CT Conference of Independent Colleges
What have we built?

- **Chief Executives**
  - Champion System
  - Set strategic direction for system
  - Sustains

- **Agency Policy Leaders**
  - Develop policy & procedures
  - Dedicate resources

- **Agency IT & IR Leadership**
  - Implement system and policies
  - Identify issues for escalation
The State of the Network

- P20 WIN is Operational
  - Data Requests processed: Data Sharing Agreements established. Approved data extracted, linked and analyzed
- New data and reports are ready to be released
- Additional & potential audits / evaluations
  - Legislative Program Review and Investigations
  - Educator Preparation NTEP & EPAC (Title II)
  - Future of SDE’s required reporting for SFSF
  - Evolution of DOL’s Legislative Report Card
- Planning for regular annual release of core data
- Expansion of network to include CCIC and UCONN
A Seedling: Putting Down Roots

- Expand Participating Agencies
- Cost Sharing Policy
- Support from DOL’s WDQI Grant
- Budget Request to CT Legislature
WE'RE HIRING A DIRECTOR OF CHANGE MANAGEMENT TO HELP EMPLOYEES EMBRACE STRATEGIC CHANGES.

OR WE COULD COME UP WITH STRATEGIES THAT MAKE SENSE, THEN EMPLOYEES WOULD EMBRACE CHANGE.

THAT SOUNDS HARDER.