I love data
DATA QUALITY 101
BAD DATA IS NO BETTER THAN NO DATA.
Are you sure the data you gave me is correct?

I've been giving you incorrect data for years. This is the first time you've asked.

What?

I said the data is totally accurate.
The data doesn’t lie!
Predecessor

- Decentralized administration
- Managed by committee
- No long term funding source – short term reliance on federal grant
- Participation from partner agencies was ultimately voluntary

- Centralized administration
- Managed by DWS-WRA management
- State appropriation
- Transfer of data from partner agencies is required through state law
Inception

S.B. 194

2017GA

35A-14

July 1st, 2017

• Directs DWS to create the UDRC under the Workforce Research and Analysis group
• Partner agencies “shall” contribute data to the center: DWS, USHE, USBE, UDOH, and USTC
• Directs the creation of a state of Utah longitudinal data system, and a corresponding research agenda
• Specifies the role of the center and the advisory board
• Specifies the creation of a “data visualization portal”
• Mandates the center to report to the education interim committee in a yearly basis
• Appropriates approximately $1M in ongoing funds
Progress – July 2017

Technology
- Export application
  - Extract, encrypt, transfer
- Import application
- Administrative application
- Master person algorithm
- De-identification process
- Historical data receipt

MOU
- USHE
- USBE
- USTC
- DWS
- In process: UDOH

Research Agenda
- 18 items
- Approved by the education interim committee
- Currently focus on the statewide P20 goals and outcome metrics
Cont.

Administration
• Hired:
  • Manager
  • Researchers
  • Data comm. coordinator
• Governance document
• Data
• Organizational
• Promoted a unique “UDRC” culture
• Policies and procedures

Website
• Phase I completed
  • About
  • Privacy
  • Research
  • Advisory Board
• Phase II – in progress
  • External researcher application
  • Expanded products

Products
• USTC SLDS Grant Data Request
• P20 Metrics Phase I
  • Tableau dashboard
• Currently working:
  • P20 Metrics Phase II
  • Launch My Career Data Request
P20 Metrics Phase I

Proficiency in core academic subjects

38.5% Average proficiency level in Utah, 2017
2.7% Increase from 2015

Source: http://udrc.utah.gov/metrics.html
Future Direction

• Integration of UDOH, specifically ECIDS (early education data)
  • And other agencies as directed
• Completion of website phase II
  • External researchers access point for UDRC data
• Completion of P20 metrics phase II
  • And transforming into data narrative
• Expansion of team as needed
• Continued effort to increase human capital by focusing on:
  • D3
  • Tableau
  • Python
  • R, and R Markdown
  • Machine learning, data mining methods
• Create a comprehensive production model for the creation of research and research related products such as:
  • Reports
  • Dashboards
  • Data narratives
UDRC’s Relevance

UDRC has two major roles in relation to USHE’s data

High quality data allows the UDRC to produce high quality: reports, dashboards, research, data narratives...
Thank you for helping the UDRC!