

Applied Data Analytics Training Opportunity: Evaluating Enrollment to Employment Pathways



Employment & Training
Administration (ETA)



Welcome!



Why are we here?

State agencies are responding to the needs of policymakers, program leaders, and customers to—

leverage timely and locally-relevant administrative data to better respond to local labor market needs, improve programs and services, and address geographic and demographic disparities....

Critical Partnership

ETA awards funds to NASWA for ADA training for state agencies

Multi-state data collaborative leaders select training topic

NASWA contracts with Coleridge to deliver two training courses

Builds from ETA's Initial Investment in ADA training

- 114 participants from 28 states participated in the Applied Data Analytics (ADA) training initially funded by the U.S. Department of Labor's Employment and Training Administration (ETA)!
- Led to future investment in unemployment to reemployment work in multiple states, with subsequent trainings being offered.
- 81% of survey respondents reported they would recommend the class to others.
- "I maintain contact with classmates from other states with regard to other DOL projects—especially the Statistical Adjustment Model for WIOA Title I. We now use R for large-scale and repeatable data manipulations that were previously done in Excel."

The Coleridge Initiative



BIPARTISAN POLICY CENTER

Foundations for Evidence-Based Policymaking Act of 2018

The bipartisan Foundations for Evidence-Based Policymaking Act of 2018 builds off the work of the U.S. Commission on Evidence-Based Policymaking to strengthen data privacy protections, improve secure access to data, and enhance the federal government's capacity for producing and using evidence.

- Strengthens Privacy Protections**
 - Maintains Strong Confidentiality Protections for Sensitive Data.** Reauthorizes the Confidential Information Protection and Statistical Efficiency Act (CIPSEA), an existing law that gives the American public strong privacy safeguards and legal protections for appropriate uses of confidential data.
 - Institutes Processes to Assess Data Risks.** Strengthens efforts to protect confidentiality while making data accessible for evidence building and transparent to the public by requiring comprehensive risk assessments for certain publicly released data.
 - Enhances Public Trust in Data.** Improves public trust in statistical activities by codifying language directing certain agencies to establish procedures to protect trust in data activities by appropriately maintaining objectivity, independence, and confidentiality.
 - Establishes Consistent Leadership on Key Data Issues.** Ensures a senior leader in each agency is responsible for protecting privacy and ensuring confidentiality protections are appropriately applied by creating chief data officers.
- Improves Secure Data Access**
 - Encourages Agencies to Make Data Public and Open When Possible.** Takes steps to improve the public information about what data government currently holds and make data publicly available when possible and in the public interest.
 - Requires Development of Data Inventories.** Enables researchers and evaluators to better identify what government-collected data are available by directing agencies to create and maintain data inventories and publicly provide details about those datasets.
- Makes Administrative Records Available for Evidence Building.** Under a strong set of confidentiality protections, encourages that government data can and should be used to generate evidence about policies and programs, unless otherwise restricted by law.
- Creates a Common Portal for Researcher Applications to Access Restricted Data.** Reduces burden on researchers for applying to access government data by establishing a common application system for qualified individuals to access restricted, confidential data for approved projects.
- Facilitates Continuous Feedback about Data Coordination.** Promotes the use of data for evidence building by establishing a government advisory committee to review existing coordination and availability of data.
- Enhances Government's Evidence Capacity**
 - Directs Agencies to Develop Evidence Plans.** Enables agencies to better prioritize evidence building by requiring that agencies document their key research questions, data needs, and planned activities.
 - Prioritizes Evaluation Activities in Agencies.** Improves agency capacity to engage in and use program evaluation by establishing evaluation officers in government agencies and requiring agencies to develop written evaluation policies.
 - Develops Baseline Information about the Resources Available for Evidence Building.** Directs government agencies to periodically assess and report on their capabilities to engage in statistical, evaluation, and policy analysis activities and use the corresponding evidence for day-to-day government operations.

Learn more at bipartisanpolicy.org/evidence

- A non-profit organization, originally established at New York University, at the forefront of *'Democratize Our Data Movement'*
- Mission: Enhance capacity of government agencies to develop data-based insights for policy
 1. Secure data facility (ADRF)
 2. Researcher enclaves
 3. Applied Data Analytics Training

Administrative Data Research Facility (ADRF)

- Secure cloud-based computing platform designed to promote collaboration, facilitate documentation, and provide information about data use to the agencies that own the data.
- Established by the Census Bureau with funding from the Office of Management and Budget to inform the decision-making of the Commission on Evidence-Based Policy.
- Provides secure access to over 400 confidential government datasets from 50 different agencies at all levels of government.
- Provides the opportunity to create data linkages across agencies and states to better understand programmatic and policy outcomes.

From Projects to Products to Practice

- Projects (Addressing real-world challenges aligned with state needs and priorities)
- Products (Informing and supporting policy and programs with data and evidence)
- Practice (Actionable, practical implementation)

Class Topic

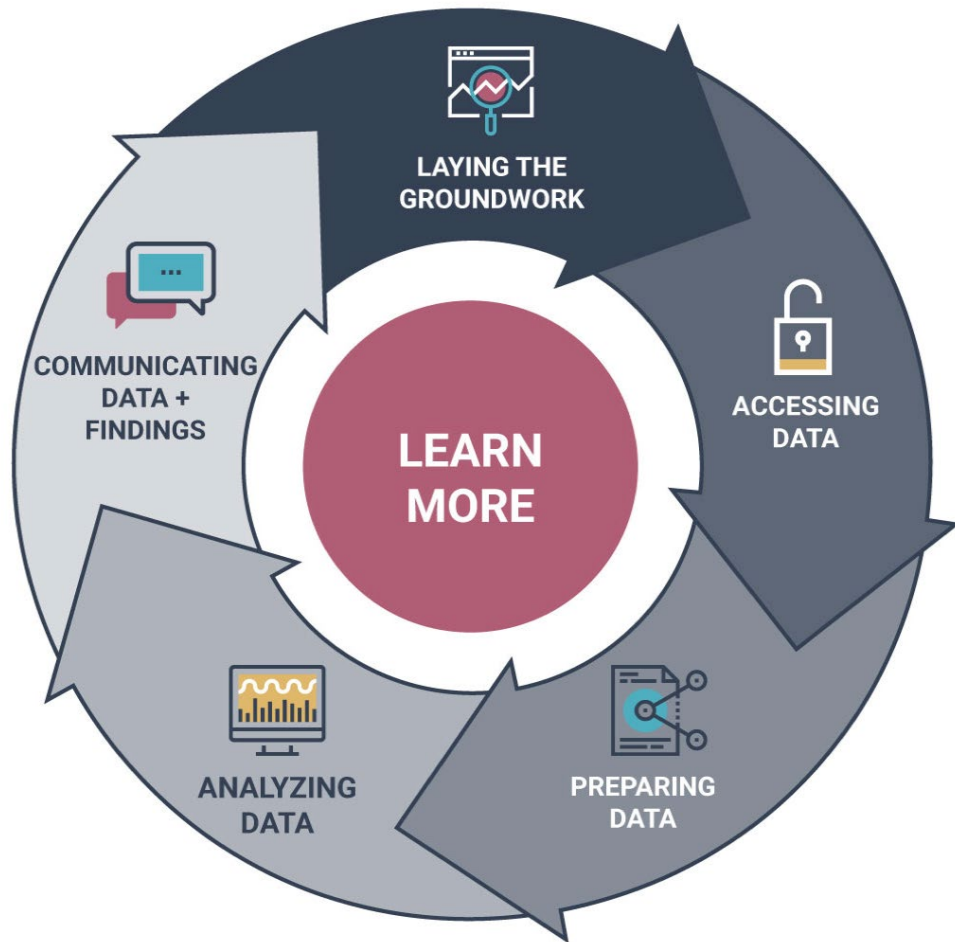
Analysis, research, and data product development to inform policy and practice leading to improved employment outcomes for participants enrolled in government programs and benefits such as WIOA, SNAP, and TANF

ADA Course Goals

- Equip you with tools that you can bring back to the office (not just “concepts”)
- Grow and support a trained community of practice
 - Diverse interdisciplinary teams with opportunities to collaborate across states
 - Coding, domain/data, business/policy
- Teach in the context of what you do
 - Focus on issues related to programs you support
 - Using the kind of data you use (real-world, messy data)
 - Learn by doing (real products for real problems on real data)

Research Projects and Product Development

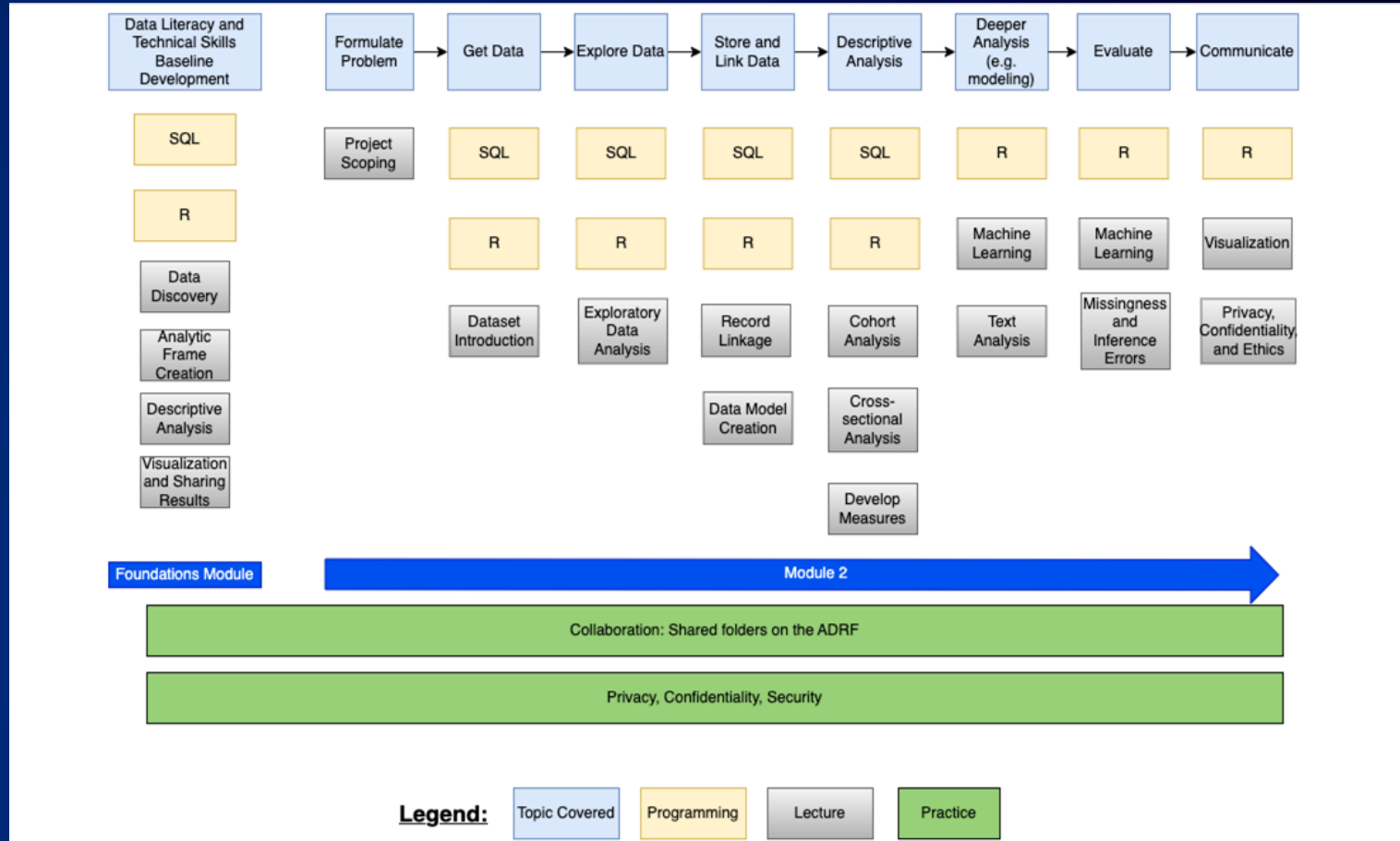
Project → Product → Practice



- Who is participating in programs? (population demographics, needs)
- What program co-enrollment patterns are leading to improved employment outcomes?
- How might referral and co-enrollment strategies be informed and supported?
- How do outcomes vary between program participants and non-participants?
- How can policy be improved from examining co-enrollment and referral patterns?

Class Structure - Foundations Pre-Training

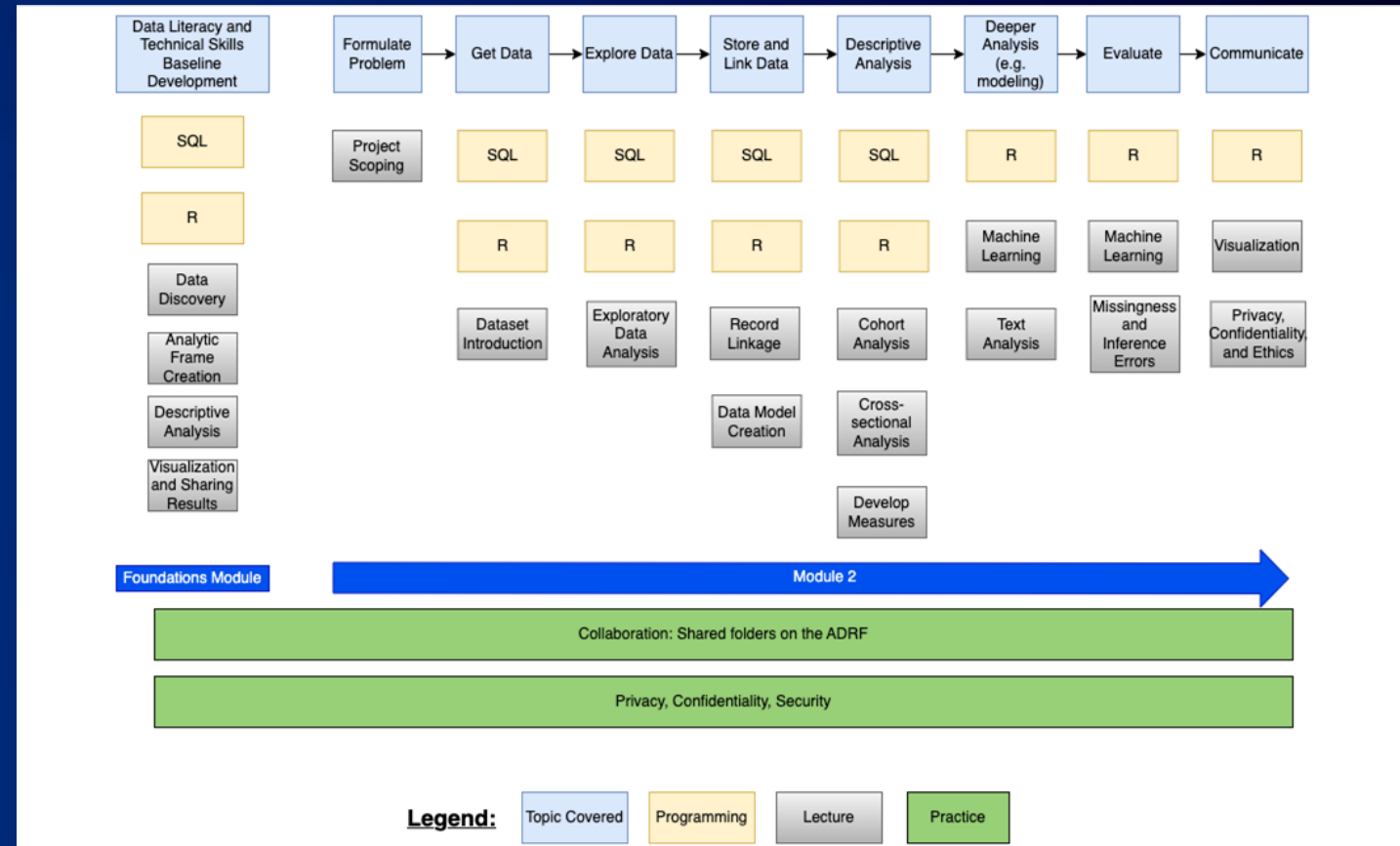
4 self-paced units introducing key data literacy and technical concepts, each accompanied by a 1-hour weekly lecture and support time



Class Structure - Module 2

12 2-hour sessions, with the first hour for lecture and second for project work, including:

- Integrated Service Delivery and Design Thinking
- Record Linkage + Data Model
- Cross-sectional and cohort analysis
- Visualization
- Unsupervised Machine Learning



Class Dates

Class 1	Class 2
Kickoff Meeting: September 13	Kickoff Meeting: January 11
First Module: Starts September 20 - 4 Classes	First Module: Starts January 18 - 4 Classes
Module 2: Starts October 18 - 12 Classes w/ Holiday Break	Module 2: Starts February 15 - 12 Classes
Final Presentations: March 13	Final Presentations: June 13

Who can apply?

State teams of three or six are encouraged to apply:

- 3-person teams should include at least one individual experienced in coding in computer programming languages (e.g., R, SQL) and representation from at least two state agencies or distinct policy domains (e.g., workforce and labor market information, Unemployment Insurance, WIOA, SNAP, TANF, K-12 education, post-secondary education).
- 6-person teams should include at least two coders and representation from at least three, but preferably four, state agencies or distinct policy domains.

What is required to apply?

- Select session: Fall (beginning September 13, 2023) or Winter (beginning January 11, 2024)
- Provide the following:
 - Recent resume or CV for EACH member of the team
 - A statement from EACH team member describing how their participation will support the use of administrative data to improve programs and services offered in their state in the near-term and longer-term future
 - A statement from EACH team member's supervisor describing how their participation will support their agency in the near-term and the longer-term future

What is the application deadline?

- Applications due by **August 29, 2023**.
- Submit your applications here:
<https://app.smartsheet.com/b/form/a6202993c3cf4408b57689b292bfde83>
- Applications will be reviewed and accepted on a first-come, first-served basis.

Questions?

If you have questions after this webinar,
please email us at datacollabs@naswa.org.

Resource Links

- Coleridge Initiative
 - Training: <https://coleridgeinitiative.org/applied-data-analytics-training-programs>
 - ADRF: <https://coleridgeinitiative.org/administrative-data-research-facility>
- Multi-state Data Collaboratives: <https://www.naswa.org/partnerships/multi-state-data-collaboratives/about>