Hawaii's Journey to a Data-Driven Future
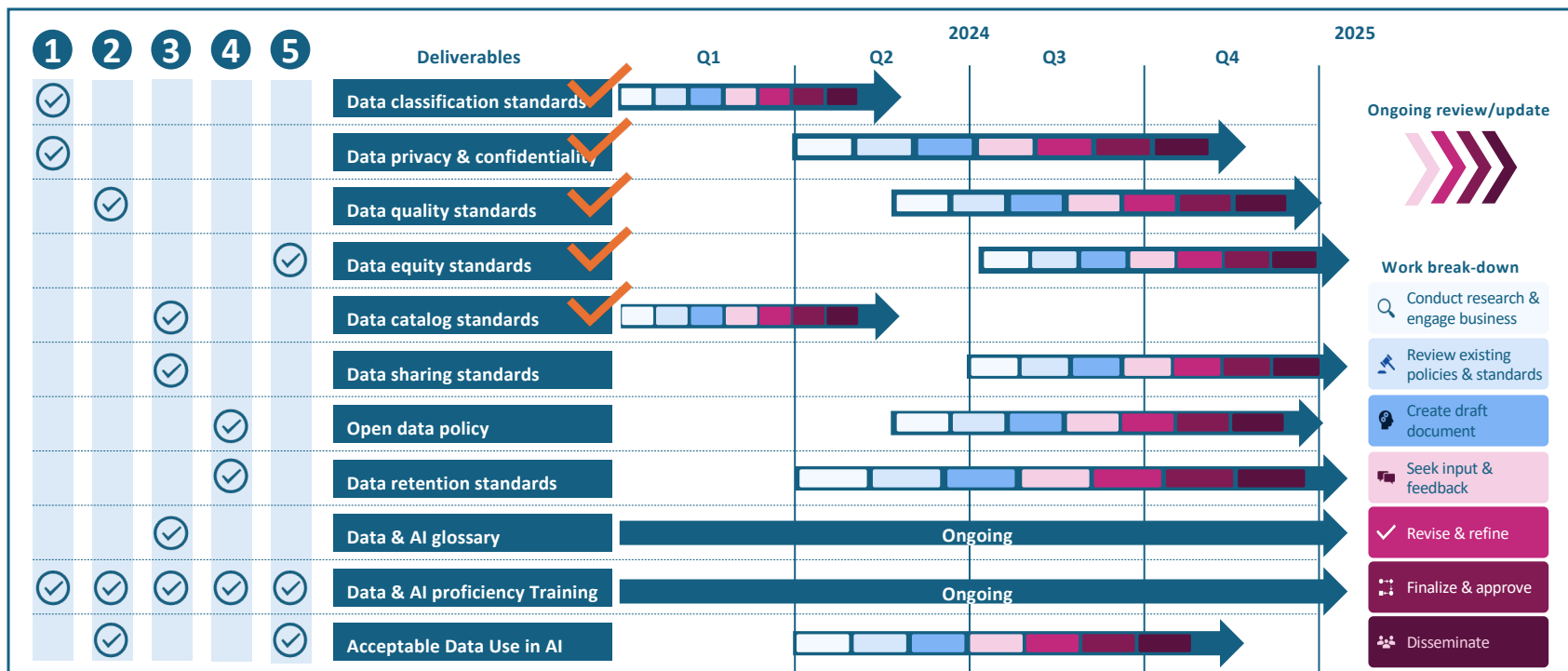
**Data Task Force Meeting
June 17th, 2024**

Agenda

▶ Progress update: policies, tools recommendation

▶ Discussion topic: Data and AI Literacy training topics

▶ Discussion topic: action plan for Senate Resolution 69

▶ Next meeting planning

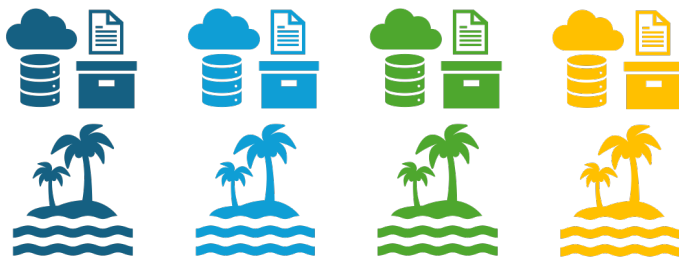Progress update: Five of the data standard documents are drafted under internal reviews now

	1	2	3	4	5	Deliverables	Q1	Q2	2024 Q3	Q4	2025
✓						Data classification standards					Ongoing review/update
✓						Data privacy & confidentiality					
		✓				Data quality standards					
				✓		Data equity standards					Work break-down
		✓				Data catalog standards					Conduct research & engage business
		✓				Data sharing standards					Review existing policies & standards
			✓			Open data policy					Create draft document
			✓			Data retention standards					Seek input & feedback
		✓				Data & AI glossary	Ongoing				Revise & refine
✓	✓	✓	✓	✓		Data & AI proficiency Training	Ongoing				Finalize & approve
	✓		✓	✓		Acceptable Data Use in AI					Disseminate

✓ Drafted, under internal review

3

State-wide cloud for shared data/AI needs:

1. <u>Data Governance across all data sources including mainframe</u>: cataloging, classification, privacy protection, access control, quality management.
2. <u>Cross-platform data referencing</u>: master data management, content management, data lineage
3. <u>Multi-cloud capability</u>: to cost-effectively and efficiently share data among different cloud vendors
4. <u>Built-in leading Machine Learning engine:</u> for data science functions such as predictive analytics, simulation etc. to support evidence-based decisions
5. <u>Built-in leading GenAI capabilities leveraging multiple LLMs:</u> to allow users to 'chat' with structured and unstructured data in a governed way
6. <u>State ownership of the work:</u> flexible to switch vendor with minimum rework later if needed

Departments are optimized for own operations:

1. Complicated data storage landscape: cloud, on-prem, mainframe, local files
2. Existence of multiple cloud services adopted by different departments
3. Vendors have different ML/AI capabilities and offerings
4. No state-wide data or AI standards for governance
5. Existing data silos

4

DATA LITERACY

DATA LITERACY SERIES: BRONZE

Lesson 1: What is Data and Data Literacy?

Overview: In today's data-driven world, information surrounds us, but true knowledge comes from understanding how to interpret it. Data literacy empowers you to transform numbers, figures, and visuals into valuable insights. By learning to analyze data critically, you can make informed decisions, solve problems effectively, and become an active participant in shaping a future driven by evidence.

Go to Lesson 1

Lesson 2: What is Data in Daily Life?

Overview. In those lessons, we'll explore the ubiquitous role of data in our daily lives through three engaging videos. Each video will provide a unique perspective on how data informs and influences and different sectors:

Lesson 2 Video 1   Lesson 2 Video 2

Lesson 2 Video 3   Lesson 2 Video 4

Bronze:
- What is data and data literacy?
- What is data in daily life?
- How to visualize data?

Silver:
- What are common misconceptions in data?
- Why/How Data is Collected?
- What is data privacy?

Gold:
- What is Data Security?
- How to do a credible data research?
- What are common data mistakes?

5

AI Literacy training topics: suggestions?

Bronze:
- What is AI?
- What is Machine Learning?
- How is AI used in everyday life?
- How can I recognize AI in everyday tools

Silver:
- How does AI work?
- Where do governments use AI?
- Is AI always fair and accurate?
- Is AI dangerous?

Gold:
- Why data quality is important for AI?
- Can I trust AI with my personal data?
- Can I trust AI?
- How will AI change the world?

THE SENATE
THIRTY-SECOND LEGISLATURE, 2024
STATE OF HAWAII

S.R. NO. 69

MAR 0 8 2024

SENATE RESOLUTION

URGING THE OFFICE OF ENTERPRISE TECHNOLOGY SERVICES TO IMPROVE THE STATE OF HAWAII'S OPEN DATA PORTAL BY INCREASING AND EXPANDING THE DATA SETS AVAILABLE ON THE OPEN DATA PORTAL, CENTRALIZING ALL OPEN DATA SETS OF ALL STATE DEPARTMENTS ONTO THE OPEN DATA PORTAL, AND CONTINUALLY UPDATING THE DATA SETS FOR ACCURACY AND RECENCY OF PUBLICLY ACCESSIBLE DATA.

1   WHEREAS, the commitment of the state government to long-
2 term strategic business and information technology
3 transformation is essential to:
4
5   (1)   Successfully harnessing the power of technology to
6   increase service quality and satisfaction for the
7   State's people on any island and at any time;
8
9   (2)   Elevating the State's work force to compete within a
10   twenty-first century economy that provides livable

19   WHEREAS, many states and major municipalities across the
20 United States have adopted open data-driven policies that
21 require government agencies to collect and publish data and
22 promote data collection and sharing in the private sector, in
23 recognition that access to empirical data is critical for
24 decision-makers to make informed decisions in the interest of
25 citizens; and
26
27   WHEREAS, other states and major municipalities have
28 established and operate successful open data portals, including
29 the City of Chicago's Data Portal that hosts over six hundred
30 datasets about its departments, services, facilities, and
31 performance, presented in easy-to-use formats; and

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Objectives:
- Increase data sets available
- Centralize all data sets from all state departments
- Continuously update for accuracy and recency of open data

Issues:
- Certain data sets not in useful forms
- Data sets need to be requested from individual departments instead of readily available at a central Open Data portal
- Some users are required to visit individual department sites

Recommendations on Open Data Portal:
- Increase available data sets
- Expand breadth and depth of data types
- Provide consistent and efficient process for users to access and retrieve all state department data
- Centralize all open data sets of all state departments
- Study and assess the successful open data portals of other states and major municipalities including the City of Chicago

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Action items for discussion:

Portal readiness:
1. Study open data portals of other states, cities, compare to Hawaii's
2. Investigate ways to improve open data portal so that it is easier for departments to load data and for users to access data

Data sets readiness:
1. Identify additional data sets
2. Expand breadth and depth of data types
3. Ensure data sets are in useful forms
4. Proactively update open data sets regularly and ensure accuracy and recency of data
5. Ensure open data sets are readily available at the state open data portal
6. Use the state open data portal to post all open data sets

8

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Next meeting

▶ Review policies: classification, privacy, catalog, quality, equity

▶ SR69 action items update

▶ Tools research update

Thank you!