A4L's AI Activity:

- Unity Data Generator
- CEDS Alignment
- Support Chatbot

A4L: New Capabilities for Computers

```xml
<iepPlan>
    <effectivePeriod>
        <start>2023-10-15</start>
        <end>2024-10-15</end>
        <evaluationDate>2023-10-05</evaluationDate>
    </effectivePeriod>
    <enrollmentGradeLevel>
        <standardGradeLevel>05</standardGradeLevel>
        <explanation>Student is in fifth grade.</explanation>
    </enrollmentGradeLevel>
```

DegreeData: AI in Action

AcademyOne: AI help for Advanced Standing

OpenSyllibi: AI Suggestive Course Comparability

DegreeSight: AI Transcript Processing

OnCAT: AI For Determining Transfer Equivalency
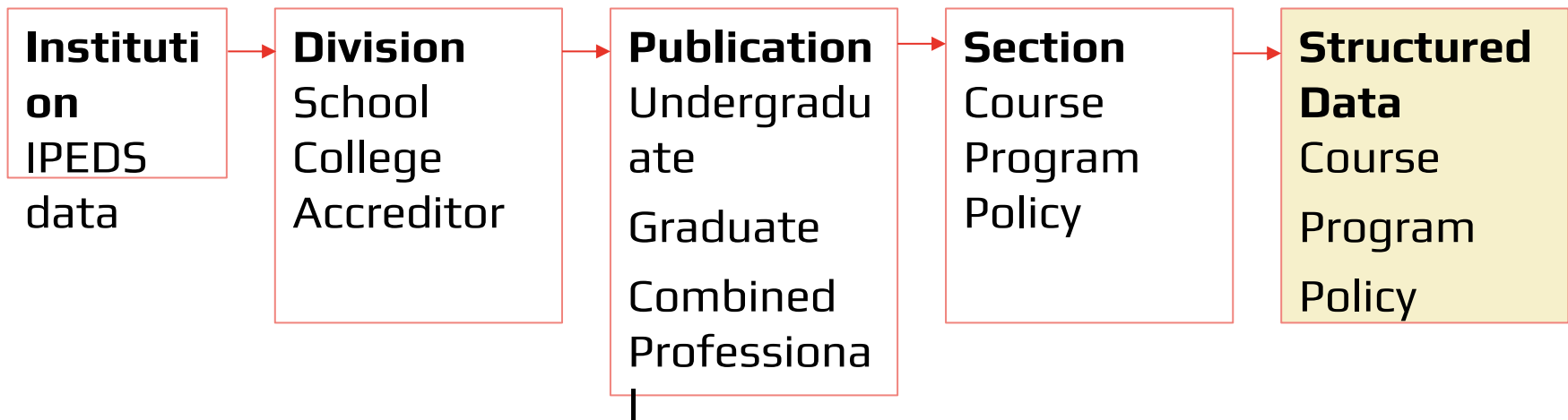
HES.edu.au: AI to suggest Learning Comparability

DegreeData

A Practical application of AI to deliver structured data

Data and Structure

- DegreeData gathers and maintains academic catalogs from all public and private US institutions with archives going back 7-10 years. Updating is continual.

- We use Anthropic Haiku 3 to create structured course data from catalog content

Institution IPEDS data	→	**Division** School College Accreditor	→	**Publication** Undergraduate Graduate Combined Professional	→	**Section** Course Program Policy	→	**Structured Data** Course Program Policy

DegreeData

Orchestration

In a practical application, AI is one part of an orchestrated set of triggers and events that convert unstructured content to actionable data.

Farm Tool
Manages acquisition and tagging

→

Saves to AWS S3

→

Event Bridge detects PUT to bucket and triggers Step Functions

↓

Step Functions orchestrate multiple short-form scripts (_Lambdas_) to detect patterns

←

Anthropic Haiku
Is queried to write scripts and convert content to data

←

Structured Data
is saved to RDS and is available to app.s and users via API
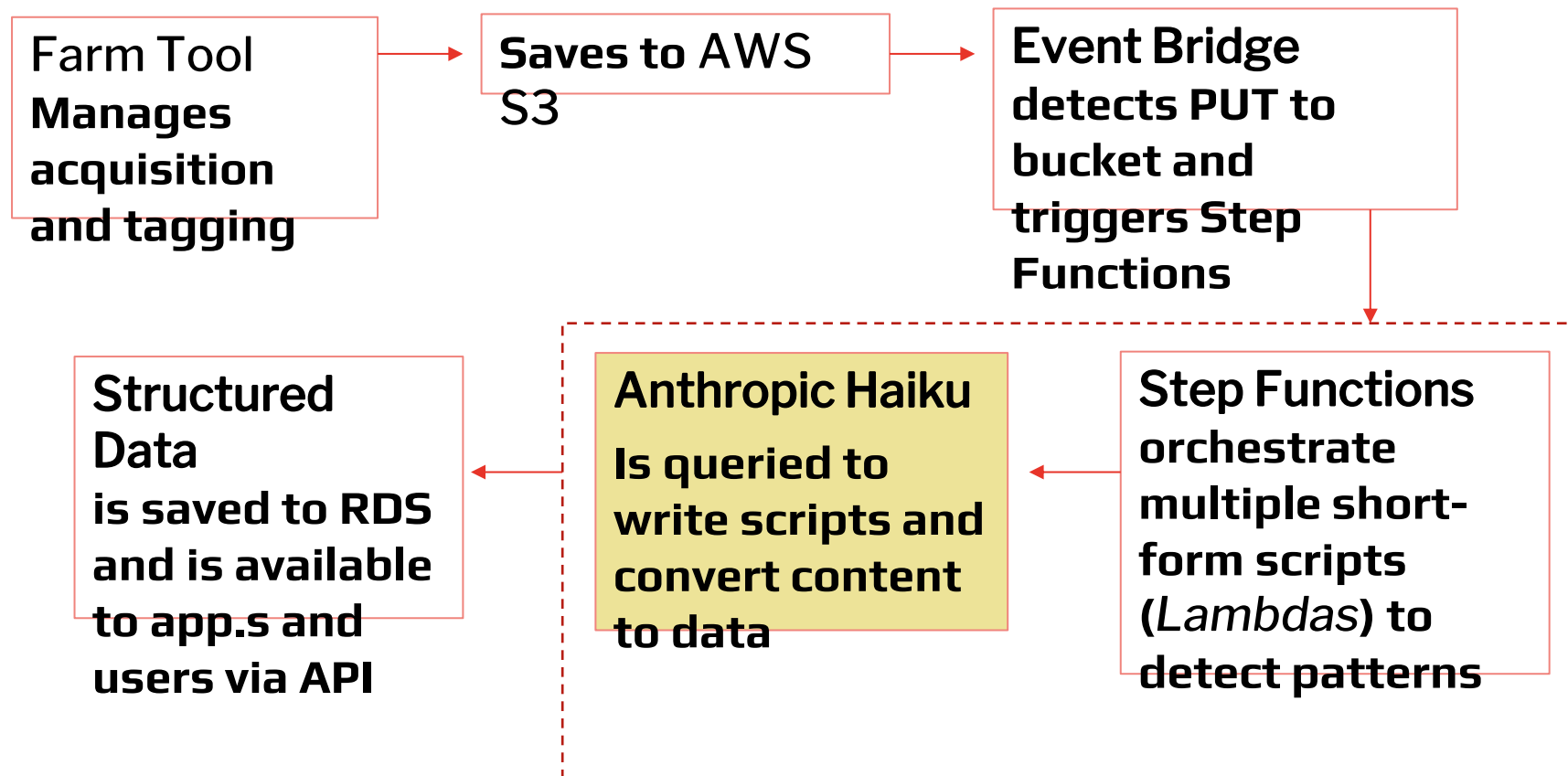
IPEDS	Institution	Subj. Cod	Number	Course Title	Description	value	unit_of_mea	prerequisites	co-requisites	additional_attribut
183026	Southern NH University	ACC	225	Foundations of QuickBooks	This course will provide an introduction to QuickBooks which is one of the most popular accounting systems used by small businesses. This course will take you through the	1	Credits	Complete: ACC201 - Financial Accounting (3)	N/A	Offered in the DY0
183026	Southern NH University	ACC	302	Professional Communication	Professional Communication in Accounting introduces students to the rhetorical strategies necessary to plan, design, write and distribute texts necessary for professional accounting	3-Feb	Credits	Complete all of the following Complete: ENG120 - College Composition I (3)	N/A	N/A
183026	Southern NH University	ACC	307	Intermediate Accounting I	Review introductory concepts including the accounting cycle, journal and adjusting entries. Learn to address more intricate accounting scenarios such as recording more complex	3	Credits	Complete: ACC201 - Financial Accounting (3)	N/A	Campus, Online
183026	Southern NH University	ACC	308	Intermediate Accounting II	Apply accounting rules and methodologies for increasingly complex transactions and elements to create more extensive financial statements. Assess a company's	3	Credits	Complete: ACC307 - Intermediate Accounting I (3)	N/A	Campus, Online
183026	Southern NH University	ACC	309	Intermediate Accounting III	Examine reporting and disclosure requirements for complex accounting topics. Analyze the financial impact of changes to an organization based on factors such as stock characteristics,	N/A	N/A	N/A	N/A	Online
183026	Southern NH University	ACC	312	International Managerial Acc	The study of foreign currencies and exchange risk management, global organization and control, planning and performance evaluation in multinational enterprises,	3	Credits	Complete: ACC202 - Managerial Accounting (3)	N/A	Campus Offered every fall t
183026	Southern NH University	ACC	315	Accounting Information Syste	The course introduces the student to the fundamentals of accounting information systems and how they	3	Credits			

DegreeData

Consistency

Interoperability

Quality Control

Accuracy

Crosswalks

How AI supports standards

How standards add value to AI

DegreeData

Bardic Systems: The Future

- An Agent for each learner, employee, employer, and citizen
- Structured input parameters guiding unstructured input
- Structured output
- Standardized metrics for measurement
- What can we do to support this?