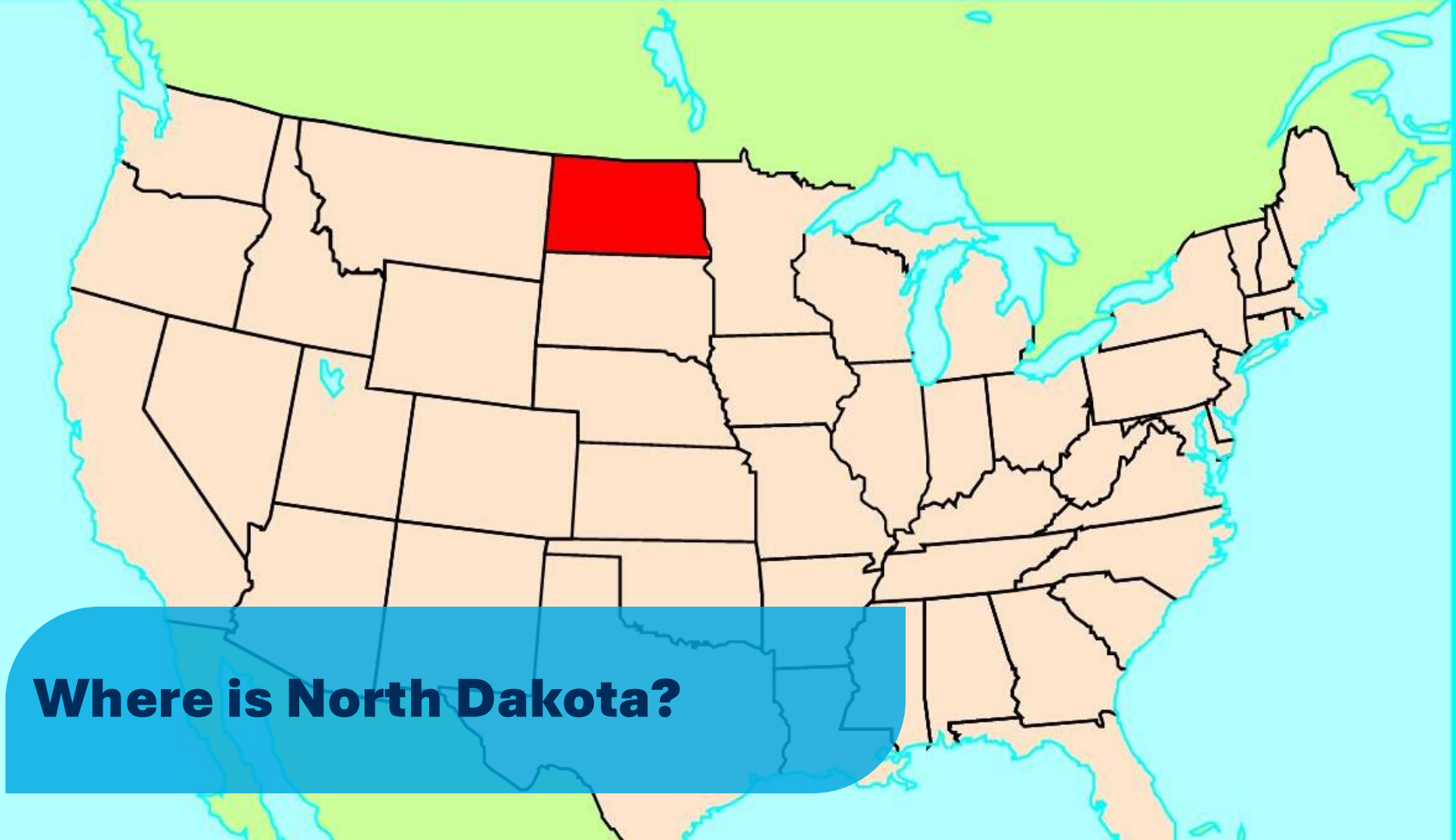# Agenda

1. NDUS at a Glance

2. Finding the Pain

3. Mapping the AI Tasks

4. It Always Starts with the Data!

5. Example Workflow

6. AI Assistant Demo

7. Summary and Impact

8. Q&A

NDUS at a Glance

1

Where is North Dakota?

NORTH DAKOTA UNIVERSITY SYSTEM

- Organized in 1990 and includes **two** research universities, **four** regional universities, **four** community colleges, and **one** polytechnic institution

Finding the Pain

2

Problem

Manual tracking and analysis of ND legislative session is manpower intensive for NDUS.

*"The LegiTrack AI system proved to be an invaluable asset by automating the demanding role of bill tracking coordinator during legislative session, **saving countless man-hours....**"*

-Staff Member

Solution

AI uses language models and data processing techniques to monitor, summarize, and alert relevant information.

Benefit

Save time and resources, increase accuracy and efficiency, and enhance advocacy and decision-making capabilities.

How do I extract *value* from my data?

Ask yourself

What question am I trying to answer?

What decision will this data help me make?

What outcome am I aiming for (e.g., cost savings, customer insights, operational efficiency)?

Mapping the AI Tasks

3

Mapping the AI Tasks and Features

Summary of the bill or amendments, in layman's terms.

Category (Academic, Financial Aid, Information Technology, etc.)

Impact on NDUS (High, Medium, Low)

Brief recommendation and reasoning to Monitor, Testify, or Review Later

Option to generate a complete analysis or testimony template for any bill or amendment

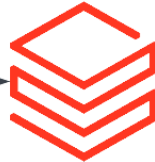Conversational AI Assistant available 24/7 for ad-hoc searching and requests
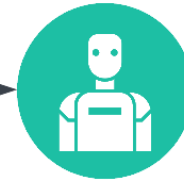
It Always Starts with the Data!

4

JSON files consumed every 3-5 minutes from API

Azure Databricks

Azure AI Studio
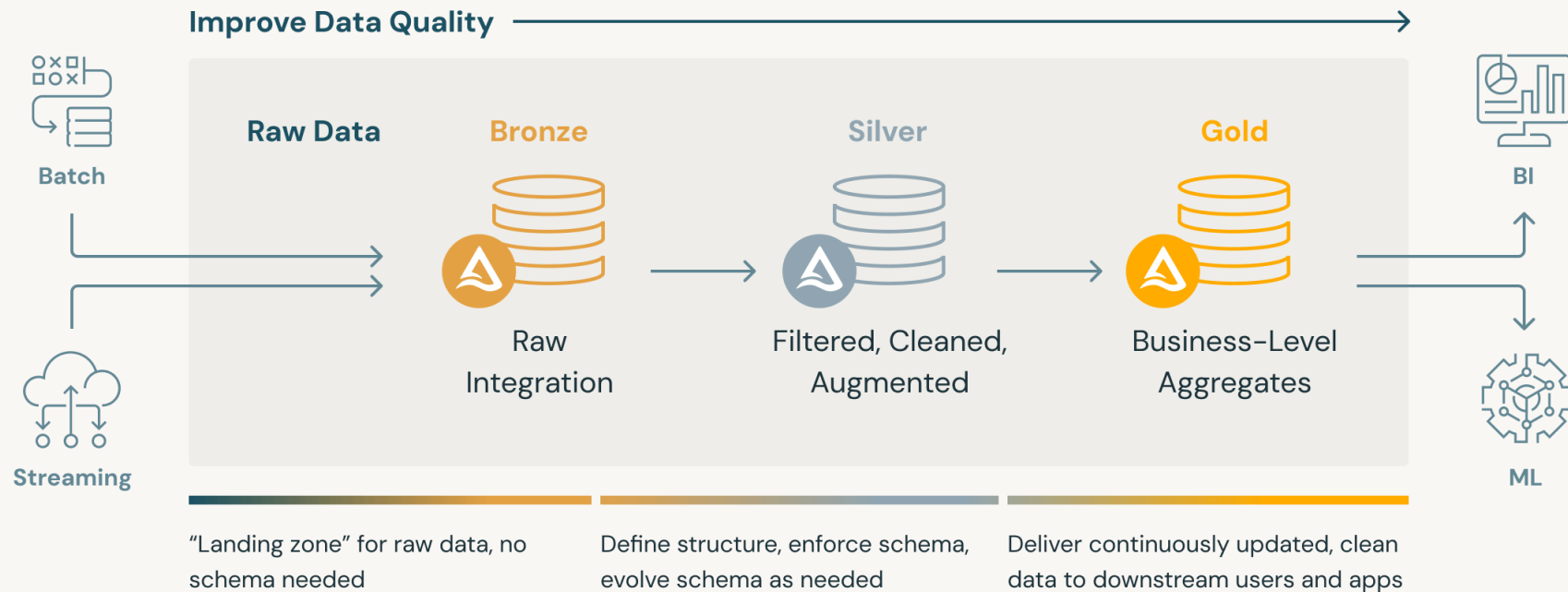
Microsoft Fabric

AI Assistant

Power BI Dashboards

Reports

Alerts

Building reliable, performant data pipelines with ▲ DELTA LAKE

Improve Data Quality ⟶

Batch

Streaming

Raw Data

Bronze — Raw Integration

Silver — Filtered, Cleaned, Augmented

Gold — Business–Level Aggregates

BI

ML

"Landing zone" for raw data, no schema needed

Define structure, enforce schema, evolve schema as needed

Deliver continuously updated, clean data to downstream users and apps

Data Categories

Bills: Details about proposed laws, including their content and status.

Bill Versions: Different drafts or revisions of the proposed laws.

Bill Hearings: Meetings where the proposed laws are discussed.

Bill Actions: Steps taken on the proposed laws, like votes or amendments.

Bill Sponsors: Legislators who support and promote the proposed laws.

Committees: Groups of legislators assigned to review and discuss specific topics or proposed laws.

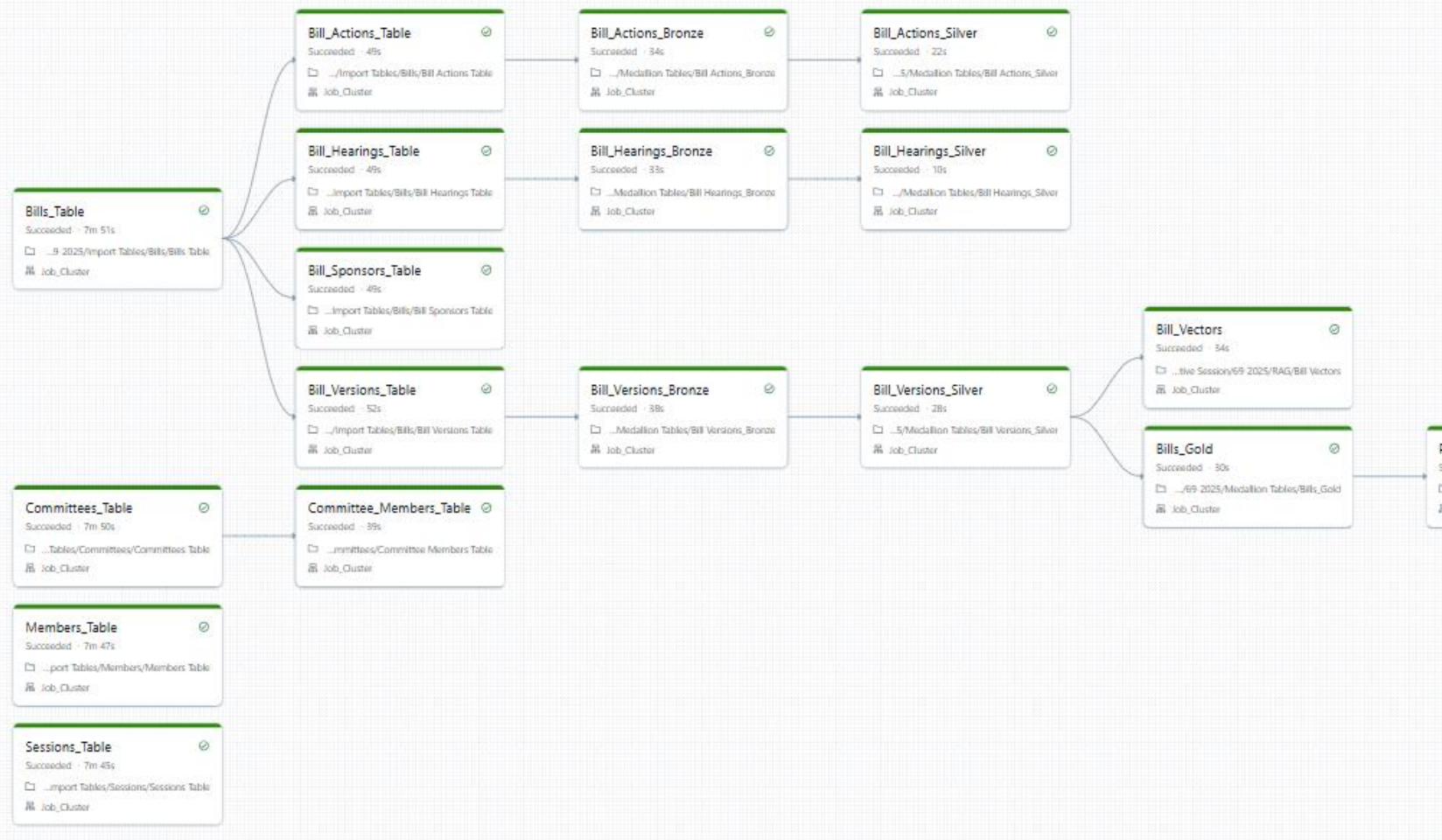**Committee Members**: Legislators who are part of these groups.

Members: Information about the legislators themselves.

Sessions: Details about the legislative sessions, such as dates and key events.

Example Workflow

5

This view uses filters that you can view and edit here.

Clear filters

		Year		Title			Bill Number		Position	SBHE P
⌄	○									
		2025		NDUS Capital Building Fund (Tier funds)		‹?›	SB 2212		Testify	
		2025		Creates a $4.2 million Student Teacher Scholarship Program		‹?›	HB 1517		Testify	
		2025		$95M UND SoMHS building project: $55M BND Letter of Credit that State will pay back + $40M Other Funds		‹?›	SB 2286		Testify	
		2025		Creates legal apprenticeship program to qualify for Bar exam		‹?›	HB 1609		Testify	

[AI] Description

The bill establishes the North Dakota student teacher scholarship program, which provides scholarships of up to $3,000 for student teachers enrolled in state-approved teacher preparation programs who are completing their student teaching experience in North Dakota. The program is to be developed and administered by the state board of higher education, which will distribute funds to institutions of higher education in the state. An appropriation of $4,200,000 from the general fund is allocated for the biennium beginning July 1, 2025, to support the scholarship program.

See less

[AI] Recommendation

Recommendation: Monitor and testify.

The proposed bill to create the North Dakota student teacher scholarship program is directly relevant to the interests of the State Board of Higher Education (SBHE) and the North Dakota University System (NDUS). This program aims to support student teachers financially, which could enhance teacher preparation programs and address teacher shortages. Monitoring the bill will allow SBHE and NDUS to stay informed about its progress and potential impacts. Testifying could provide an opportunity to offer insights or suggest improvements based on the needs and experiences of

🔗 **Bill URL**

🔗

⊘ **[AI] Category**

Financial Aid

⊘ **[AI] Impact**

1 - High Impact

🔗 **Documents**

🔗

⊘ **Position**

Testify

⊘ **SBHE Position**

Select an option

👤 **Primary Assigned**

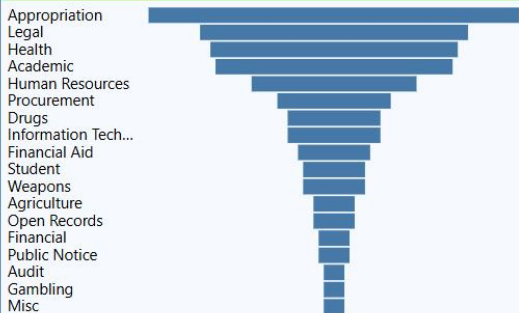Zastoupil, Brenda

👤 **Additional Assigned**

Johnson, Lisa

Krebsbach, David
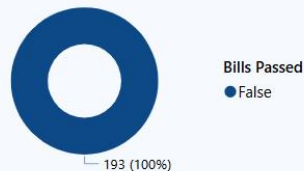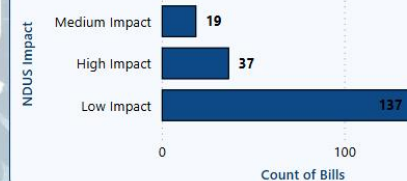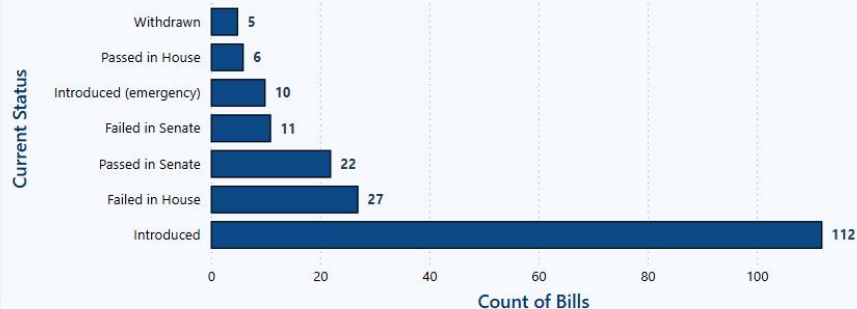
Bill Detail

HB 1517
Bill Number

Financial Aid
AI_Category

High Impact
NDUS Impact

Bill Number

HB 1517

Version Number	U...	Version Description	NDUS Impact	AI_Description	AI_Recommendation
25.1164.01000	🔗	INTRODUCED	High Impact	The bill establishes the North Dakota student teacher scholarship program, which provides scholarships of up to $3,000 for student teachers enrolled in state-approved teacher preparation programs who are completing their student teaching experience in North Dakota. The program is to be developed and administered by the state board of higher education, which will distribute funds to institutions of higher education in the state. An appropriation of $4,200,000 from the general fund is allocated for the biennium beginning July 1, 2025, to support the scholarship program.	Recommendation: Monitor and testify. The proposed bill to create the North Dakota student teacher scholarship program is directly relevant to the interests of the State Board of Higher Education (SBHE) and the North Dakota University System (NDUS). This program aims to support student teachers financially, which could enhance teacher preparation programs and address teacher shortages. Monitoring the bill will allow SBHE and NDUS to stay informed about its progress and potential impacts. Testifying could provide an opportunity to offer insights or suggest improvements based on the needs and experiences
25.1164.01001	🔗	Adopted by the House Education Committee	High Impact	The bill establishes the North Dakota student teacher scholarship program, which provides scholarships to student teachers seeking initial teacher licensure after graduation. The program will be administered by the state board of higher education, distributing funds to institutions with approved teacher preparation programs in North Dakota. An appropriation of $4,200,000 is allocated for the biennium starting July 1, 2025, to support these scholarships.	Recommendation: Monitor and testify. The proposed bill to create the North Dakota student teacher scholarship program is directly relevant to the interests of the State Board of Higher Education (SBHE) and the North Dakota University System (NDUS). This program aims to support student teachers financially, which could enhance teacher preparation programs and potentially increase enrollment in these programs. Monitoring the bill will allow the SBHE and NDUS to stay informed about its progress and implications. Testifying could provide an opportunity to influence the bill's development, ensuring it aligns with the
Total					

Hearing Schedule

Feb 4 to Feb 4

Tuesday, Feb 4	10:15	Pioneer	HB 1467	Monitor	Fitzsimmons, Katie	Bill Hearing	House Human Services	relating to the publication of vaccine adverse event data and information; to provide for a legislative management report; to provide an appropriation; to provide a continuing appropriation; and to provide an expiration date.
	11:00	Pioneer	HB 1458	Monitor	Gorenflo, Mark	Bill Hearing	House Human Services	Relating to releasing a self-spreading virus; and to provide a penalty.
		Coteau AB	HB 1517	Testify	Zastoupil, Brenda	Bill Hearing	House Education	Relating to the creation of the North Dakota student teacher scholarship program; and to provide an appropriation.

Bill Analysis and Testimony

Step 1:
Select Bill Number

Step 2:
Select Bill Version

Step 3:
Click to Generate Bill Analysis and Testimony

Bill Number

HB 1517 ⌄

Version Number

25.1164.01000 ⌄

▷ Generate Documents

AI_Version Description

The bill establishes the North Dakota student teacher scholarship program, which provides scholarships of up to $3,000 for student teachers enrolled in state-approved teacher preparation programs who are completing their student teaching experience in North Dakota. The program is to be developed and administered by the state board of higher education, which will distribute funds to institutions of higher education in the state. An appropriation of $4,200,000 from the general fund is allocated for the biennium beginning July 1, 2025, to support the scholarship program

Jockers, Ryan

To: ● Jockers, Ryan

😊   ↩ Reply   ↩ Reply all   ➜ Forward

Hello!

Below are the analysis and testimony links for HB 1517 version 25.1164.01000. These files are stored in the NDUS Legislative session SharePoint site within the Bills Document Library under HB 1517/Testimony. Please respond to this e-mail directly if you have any questions or concerns.

Analysis Link

Testimony Link

Thank you,
NDUS LegiTrack

Analysis for HB 1517
Version: 25.1164.01000

Summary of the Bill/Amendment: The proposed legislation seeks to create the North Dakota student teacher scholarship program, which endeavors to provide financial assistance to student teachers pursuing initial teacher licensure post-graduation. The bill outlines the responsibilities of the State Board of Higher Education (SBHE) in developing and managing this scholarship program, including distributing funds to institutions with state-approved teacher preparation programs and offering administrative support. Students eligible for this scholarship must be enrolled in a state-approved program and be actively completing their student teaching experience within North Dakota. Each eligible student can receive a scholarship up to $3,000 applied to their tuition and fees for the semester of their student teaching. An appropriation of $4,200,000 from the general fund is designated to finance this initiative for the biennium from July 1, 2025, to June 30, 2027.

Impact on NDUS and SBHE: The enactment of this bill would require SBHE to take on new administrative duties, including the establishment and oversight of a scholarship program across multiple higher education institutions within the NDUS. This could enhance the attractiveness of teacher preparation programs, potentially increasing enrollment and helping to address teacher shortages in the state. However, the SBHE may face challenges associated with the efficient management of funds and ensuring compliance across institutions.

Financial Implications: In the short term, the bill provides a significant financial allocation of $4,200,000 to support the scholarship program, which will require careful budget management and distribution mechanisms. This funding could alleviate financial barriers for student teachers, potentially increasing graduation rates and licensure candidates. Long-term financial sustainability of the program will be crucial, necessitating strategic planning to ensure continued financial support

HB 1517
[Committee Name]
[Date]
[Name, Title, NDUS]
[Phone Number | E-mail]

Introduction and Purpose of Testimony:

Chairperson, members of the legislative committee, thank you for the opportunity to provide testimony regarding House Bill No. 1517, concerning the creation of the North Dakota student teacher scholarship program. I represent the North Dakota University System (NDUS) and the State Board of Higher Education (SBHE), and we are dedicated to fostering excellent educational environments that support faculty, staff, and students across our state. Today, I am here to discuss our position on this bill and how it aligns with our mission to enhance the welfare of our stakeholders, particularly our student teachers who are vital to the future of education in North Dakota.

Support for the Bill:

The NDUS and SBHE are in strong support of House Bill No. 1517. This bill presents a significant opportunity to alleviate financial burdens on student teachers, a group that has long faced challenges in completing their preparation programs due to financial pressures. By establishing the North Dakota student teacher scholarship program, we can create a pathway for more students to embark

AI Assistant Demo

5
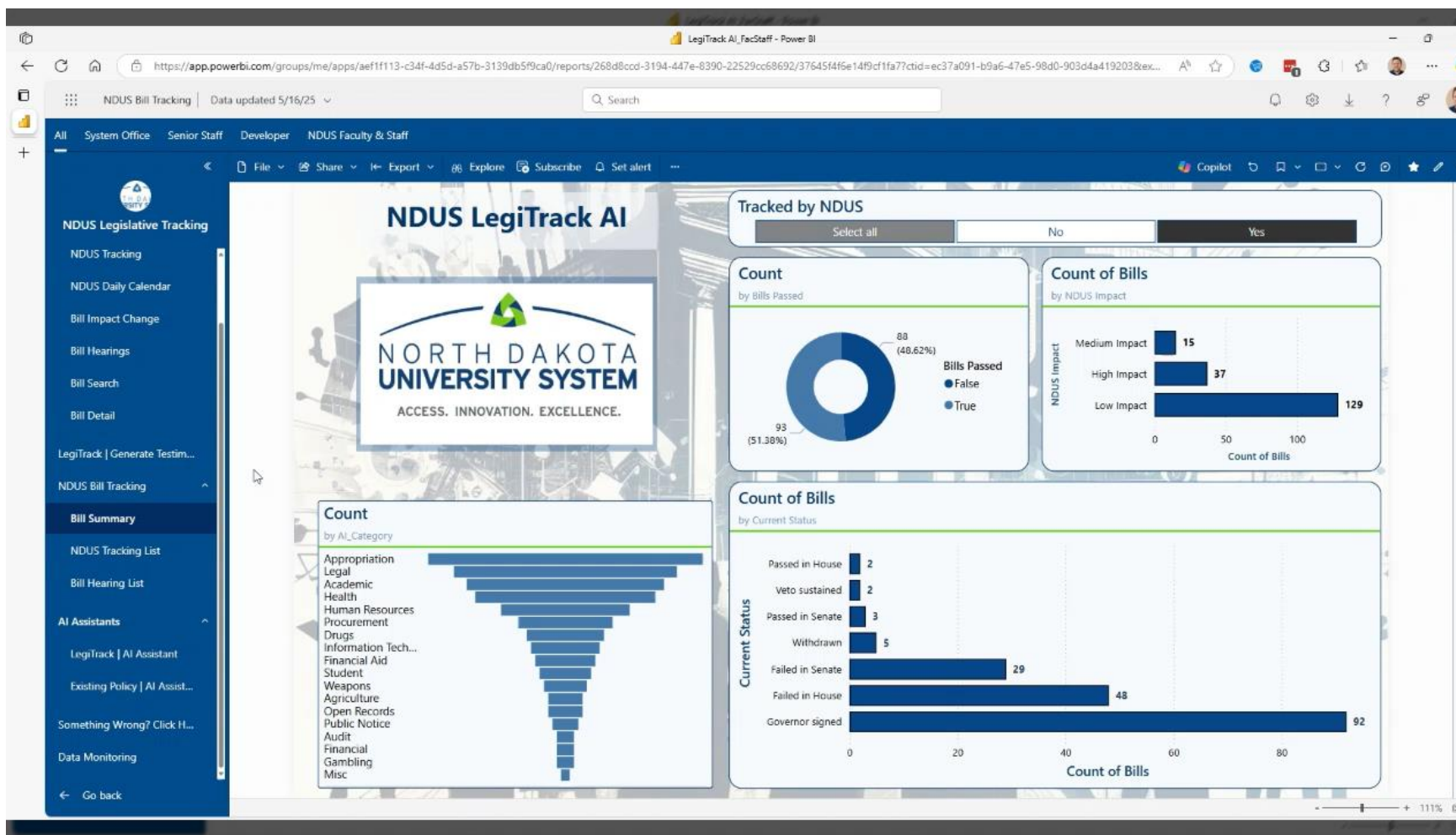
Summary and Impact

6

Feature Recap

AI-Driven Capabilities

Bill Summaries: Provided concise, layperson-friendly summaries of bills or amendments.

Categorization: Automatically categorized content into relevant sectors such as Academic, Financial Aid, Information Technology, etc.

Impact Assessment: Delivered a clear assessment of the potential impact on NDUS, rated as High, Medium, or Low.

Recommendation Framework: Offered brief yet actionable recommendations to Monitor, Testify, or Review Later, with supporting reasoning.

Template Generation: Enabled effortless creation of comprehensive analysis or testimony templates for any bill or amendment.

Conversational AI Assistant: Available 24/7 for instant searches or ad-hoc requests, including the full text of any bill or amendment.

Feature Recap

Automated Functionalities	**Legislative Data Integration**: Seamlessly imported legislative information and AI-generated fields into the NDUS SharePoint tracking site.
	Email Alerts: Sent automated daily and weekly emails to track legislative hearings relevant to NDUS.
	Calendar Invitations: Integrated legislative meetings into the Outlook calendars of the NDUSO staff members tracking legislation.
	Filtered Calendars: Extracted daily Senate and House Chamber calendars, tailored to reflect NDUS-tracked bills for streamlined oversight.
Enhanced Data Accessibility	**Power BI Reporting:** Provided real-time updates—refreshed every 3-5 minutes—through a comprehensive Power BI report, accessible to all NDUS faculty and staff.

Impact

The monthly peak activity included:

- Over **600** unique users actively utilizing the system

- More than **2,000** reports accessed for essential information

- An impressive **3,700** report page views, showcasing the platform's widespread adoption

500+
Staff Hours Saved

Next Steps

Gather feedback from stakeholders

Incorporate feedback for next cycle in January 2027

Begin incorporating Federal policy data into LegiTrack for daily AI monitoring of federal policy, operating automatically 365 days a year.

Q&A

Thank you!

Ryan Jockers
Deputy Director of Data and AI Initiatives
North Dakota University System
Ryan.jockers@ndus.edu