

FROM INSIGHT TO INNOVATION: HOW AMERICA'S DATAHUB CONSORTIUM PROJECTS SHAPE A FUTURE NATIONAL SECURE DATA SERVICE

America's DataHub Consortium (ADC) is a private-public partnership advancing innovative solutions for better data service.
This infographic highlights one project in action.

PROJECT: AI CHATBOT*

Project Objectives



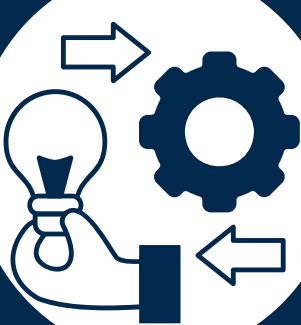
- Pilot AI tools to increase the findability and usability of a “chatbot” that returns estimates from public federal statistical data via natural language queries.
- Showcase key data products to demonstrate accessible, AI-driven use of federal statistics.
- Measure the accuracy and reliability of possible AI-assisted data tools for federal statistical data.
- Identify usability and technical needs for deploying the AI tools on federal websites across federal data platforms.

Lessons Learned



- AI-ready data formats and standards improve AI-tool efficiency usability and discovery.
- Technical advances were needed to store the large amount of statistical data used in the project.
- Combining large language models and large data storage and retrieval results in a tool with 100% accuracy on statistical data return with the advantages of a large language model.
- Blending statistical and conversational approaches enhances engagement and accuracy.
- Context retention and user feedback improve chatbot responsiveness and overall experience.

Turning Insight into Action: Informing NSDS



- Develops an AI chatbot to support users in quickly discovering federal statistical estimates.
- Enhances discoverability of federal statistical data and informs efforts to make agency data AI-ready.
- Identifies risks and mitigation strategies for data fidelity and federal compliance.



**EVERY LESSON IS A BLUEPRINT
FOR BETTER SERVICE.**

Visit <https://www.americasdatahub.org/data-access-alternatives-artificial-intelligence-supported-interfaces-daa/> to learn more about this NSDS project and support our efforts for the future of evidence building.