OAHE Data

Data as Foundation

Guthrie Ducheneaux / guthrie@oahe.ai | 605.222.6190

Jeff Lumpkin / jeff@oahe.ai | 206.915.6708

Our Offerings

Oahe Data is a majority Native-owned organization building AI-ready data intelligence for Indian Country and beyond. We transform complex federal statistical data into structured, machine-legible assets that power accurate analysis and decision-making.

Prebuilt Reporting Platforms

Power BI platforms built on 70+ data sources with 3,000+ metrics. Accompanied by a ChatGPT interface for interactive knowledge exploration.

AI-Ready Data Intelligence

Semantically structured, machine-legible data assets enabling AI agents and analysts to query complex federal statistical data without hallucinating.

LLM Trained on FP-STAN

A QWEN 3.5 9B model trained on our proprietary data — capable of generating tables, dashboards, visualizations, presentations, and position papers.

Sovereign Datacenter Package

Hosted entirely on a local PC or Mac. Oahe's Data Intelligence runs in place, guaranteeing that your data and work never leave your location.

DATA CATALOGUE

AI-Ready Data Access

The catalogue provides access to AI-ready data specifically transformed for direct use in AI-driven analysis pipelines.

- Machine-readable data bundles

- Hallucination-resistant architecture

- Integrity-verifiable with SHA-256

- Confidence intervals & reliability flags

- Drop-in ready for AI interfaces

What Makes This Bundle Technically Distinctive

Anti-Hallucination Architecture

Explicit rules: missing rows are unknown, not zero. No fabricating joins. Coverage must be named precisely — never assumed.

Metadata-First Design

AI reads schema, join recipes, and metadata before touching observations — correctly interpreting any indicator without guessing.

Reliability Sidecar

Separate parquet file with confidence intervals, statistical significance, and reliability flags — calibrating findings from large states vs. small tribal homelands.

Spatial Attribution Methodology

Uses Avg_Pct_ZCTA_On_AIANNH to signal when a health indicator is a strong measurement vs. a modeled estimate for tribal homelands.

Integrity Verification

SHA-256 hashes embedded in the manifest for every file, enabling downstream consumers to verify data integrity before any computation.

AI-DRIVEN ANALYTICS

Accurate, Presentation-Ready Analyses

Our datasets, designed for AI engines, produce accurate and polished analyses ready for decision-makers.

- Standalone visualizations

- Interactive dashboards

- Full-length written analyses

- Presentation-ready outputs

Life in America — Sample Analyses

- **County Poverty Map**

  Choropleth visualization of poverty rates across all US counties, highlighting disparities in Indian Country.

- **Poverty vs. Diabetes Correlation**

  Cross-indicator analysis correlating county-level poverty rates with diabetes prevalence — critical for IHS and tribal health planning.

- **3D County COVID Cases Map**

  Three-dimensional geospatial map of COVID-19 case distribution by county, enabling spatial pattern recognition.

- **Top 100 High-Poverty Counties**

  Ranked list with data detail — identifies the highest-burden counties for targeted resource allocation.

Native Nations Health & Climate — Sample Analyses

- **Tract-Level Median Household Income**

  Census-tract granularity income mapping for AIAN homelands — enabling precise economic analysis beyond county averages.

- **Life Expectancy vs. Education**

  Correlation analysis between educational attainment and life expectancy in tribal communities — supports health equity arguments and grant applications.

- **Neighborhood Health Benchmark**

  Side-by-side benchmark of tribal homeland health indicators versus national and state averages — the core comparison tool for policy and funding narratives.

Ready to build the foundation?

guthrie@oahe.ai | jeff@oahe.ai | oahe.ai