



Interagency Council on
Statistical Policy



National
Secure
Data
Service

Feature Spotlight

DATA HARMONIZER TOOLKIT

STREAMLINING THE DATA PROCESSING LIFECYCLE

The Data Harmonizer Toolkit brings together five tools, four of which are AI-enabled, that assist with the formatting, standardization, documentation, and integration of data to increase efficiency in data processing tasks. The toolkit helps reduce manual effort across common data preparation workflows, supporting more consistent, usable, and analysis-ready datasets.



DATA HARMONIZER

Standardizes multiple tabular datasets by applying consistent formats and coding to similar fields.



FREE TEXT ENCODER

Automates the clustering and categorization of free-text fields in survey and administrative data.



METADATA EXTRACTOR

Automatically generates metadata for tabular datasets that lack formal documentation.



TABULAR DATA EXTRACTOR

Provides structured tabular datasets using information from unstructured text documents.



MISSING DATA ASSISTANT

Evaluates patterns of missing data and provides recommendations for imputation.



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