SDTL Working Group: SDTL and SDTH

- **SDTL** and **SDTH** solve different aspects of a common problem
  - **How do we describe the ways that data have been transformed and manipulated?**

- **SDTL**: Structured Data Transformation Language
  - **SDTL** is a language for describing data transformations by statistical analysis software
  - **SDTL** was created to add variable-level provenance to metadata, like DDI
  - Many different languages can be translated into **SDTL**
  - **SDTL** is machine-actionable, which simplifies writing software tools

- **SDTH**: Structured Data Transformation History
  - Scripts that perform data transformation can be long and complex
  - **SDTH** is a simple way to query scripts
    - E.g., **What variables affected the values of variable X?**
  - **SDTH** extends the W3C PROV standard to describe data transformation
    - **SDTH** can be combined with other PROV compatible provenance metadata

- Work Plan
  - Complete RDF version of **SDTL**
  - Create full **SDTH** documentation
  - Submit **SDTL** version 2.0 including SDTH for DDI Alliance approval