

PROBLEM IDENTIFICATION: RELEVANT THEORIES AND WORKING HYPOTHESES

DATA DISCOVERY [INVENTORY | SCREENING | ACQUISITION]

ADMINISTRATIVE DATA · DESIGNED DATA · OPPORTUNITY DATA · PROCEDURAL DATA

DATA INGESTION AND GOVERNANCE

DATA PROFILING

- DATA STRUCTURE
- DATA QUALITY
- PROVENANCE AND META DATA

DATA PREPARATION

- CLEANING
- TRANSFORMATION
- RESTRUCTURING

DATA LINKAGE

- ONTOLOGY
- SELECTION AND ALIGNMENT
- ENTITY RESOLUTION

DATA EXPLORATION

- CHARACTERIZATION
- SUMMARIZATION
- VISUALIZATION

FITNESS-FOR-USE-ASSESSMENT

STATISTICAL MODELING AND DATA ANALYSES

ETHICS REVIEW