CASL Research Fact Sheet

Measuring Language and Intelligence Analysis

Objective
To develop and implement methods to measure and describe inputs, processes, products, and outcomes associated with language and intelligence analysis.

Definition
Metrics quantify or rigorously describe an organization’s or individual’s resources, activities, or performance.

Expected Findings
CASL researchers predict the following:

- Work processes within the analytic workforce will change as a result of introducing a new set of resources. We will quantify and describe these changes by surveying the members of the workforce.

- Work processes within the Intelligence Community will change as a result of introducing new database interfaces and analysis tools. We will quantify these changes by comparing the new tool to its predecessor(s), annotated with information from analysts who have used both tools.

- Resources (e.g., time) necessary to complete a language or analysis task (e.g., translation of audio material in a particular language) will differ depending on features of the analysis input, language, analytic skills, and work processes. We will quantify how some of these variables impact processes and products.

Relevance
Analysts, managers, and others need ways to measure language and intelligence analysis inputs, processes, products, and outcomes. Measures that identify and quantify success will help to describe analysis inputs, establish best practices for processes, benchmark the quality of products, and evaluate outcomes.

Product
CASL researchers will develop a descriptive catalog of metrics that have been proposed or previously applied to language and analysis work.

For More Information
U.S. Government Point of Contact
David Cox
Government Technical Director at CASL
University of Maryland Center for Advanced Study of Language
(301) 226-8970 | dcox@casl.umd.edu | www.casl.umd.edu

CASL Principal Investigator
Petra Bradley, PhD
Assistant Research Scientist
University of Maryland Center for Advanced Study of Language
(301) 226-8832 | pbradley@casl.umd.edu | www.casl.umd.edu