

ENHANCING COST ANALYSIS THROUGH DATA ENGINEERING AND ANALYTICS



THE ARMY IS ACTIVELY LEVERAGING THE VANTAGE AND ADVANA PLATFORMS TO DEVELOP NEW COST ESTIMATION AND ANALYSIS PRODUCTS. THESE PRODUCTS IMPROVE DATA ACCESS, RESOURCING ANALYSIS, AND LEADER DECISION-MAKING CAPABILITY.

Recent estimation and analysis efforts and tools:

Logistics Modernization Program:

- Created a Vantage / PowerBI data model that provides Cost Analysts with Army Depot project costs (includes labor and materiel costs and quantities, end item quantities, work sites, etc.).
- Supports Operations and Sustainment Reviews and Independent Cost Estimates.

Cost by Unit Analysis:

- Created a collection of Vantage dashboards that provide costs by Army Unit Identification Code (UIC), MDEP, and commitment item to support budget analysis.
- Analyses include Unit Execution Report, Air OPTEMPO, Ground OPTEMPO, Cost of Training Readiness Report and Training Resource Model (TRM) Comparison Report.



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THE VANTAGE AND ADVANA ANALYTICS PLATFORMS ENABLE EFFICIENT SOURCING OF TABLE-LEVEL DATA FROM ARMY SYSTEMS.

Recent estimation and analysis efforts and tools continued:

Global Combat Support System – Army:

- Created a Vantage data model that provides Cost Analysts with unit maintenance work order costs (includes labor and material costs, quantities, work order status by UIC, NIIN, etc.).
- Supports Operations and Sustainment Reviews and Independent Cost Estimates.

Army Acquisition Execution Insight:

- Created an ADVANA dashboard providing a consolidated view of Army Acquisition Program financials.
- Facilitates Independent Cost Estimates and enables root cause analysis and assessments of a Materiel Acquisition Program's contracts, budget, and schedule.



Vantage: <https://vantage.army.mil/>

ADVANA (Qlik): <https://qlik.advana.data.mil/>



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