Harshini Vishwanatha Reddy

DAB (Course) — Seattle Pacific University

W5. Book Review – Leading in Analytics (Joseph A. Cazier)

Introduction

In *Leading in Analytics* (Cazier, 2023), analytics is presented not merely as a technical function but as a leadership and organizational discipline. The book emphasizes that sustainable analytics success requires alignment among people, processes, and technology, highlighting concepts such as **analytics maturity**, **responsibility**, and **opportunity**. A key framework introduced is the **Decision Analytics Discipline (DAD)**, which integrates decision-centric, data-centric, and action-centric thinking to ensure analytics outputs are actionable.

This reading forms the foundation of *Pillar 1* of our course—*Managing the Data Analytics Function*—and relates to class discussions on executive alignment, coordination across teams, and embedding analytics into business workflows. This reflection paper is structured into two parts: Part 1 summarizes the seven tasks outlined by Cazier, and Part 2 provides personal reflections linking the book to academic understanding and practical application.

Part 1: Summary of the Book

Task 0: Analytics Leadership

Analytics success often fails not because of technology but due to leadership gaps. Executives must move initiatives beyond experimentation to strategic impact, which begins with recognizing that analytics projects often fail in the **last mile** of execution without clear vision and sponsorship (Cazier, 2023, p. 1–24). Leadership aligns analytics with strategy, fosters a culture valuing data-informed decisions, and establishes accountability frameworks. Appointing a Chief Analytics Officer or equivalent ensures visibility and cross-departmental coordination.

Task 1: Defining the Problem

Cazier introduces the **Decision Analytics Discipline (DAD)** as a guide for framing the right problems. The DAD framework consists of **decision-centric**, **data-centric**, and **action-centric** thinking (Cazier, 2023, p. 28–54). Identifying high-value problems with measurable outcomes ensures that analytics efforts target strategic objectives. Prioritization, feasibility assessment, and clear problem statements help analytics generate actionable insights rather than exploratory outputs with limited impact.

Task 2: Building the Team

Cross-functional teams are essential. The book outlines key roles—executive champions, business process owners, and technical specialists—and emphasizes aligning these roles to maximize impact (Cazier, 2023, p. 61–89). Collaboration ensures that insights are relevant and interpretable. Mentorship, rotational programs, and knowledge sharing integrate team skills with organizational context. Alignment of perspectives and shared goals is critical to analytics adoption and operational impact.

Task 3: Managing Data

Data is a strategic asset that requires governance and curation. Cazier introduces the **five Vs of big data**: **volume, variety, velocity, veracity, and value** (Cazier, 2023, p. 91–121). Managing data involves sourcing, cleaning, and maintaining quality while reducing entropy. Reliable, curated data builds trust in analytics outputs and supports both operational and strategic decision-making.

Task 4: Tools and Infrastructure

Tools enable analytics but do not replace strategic thinking. Cazier categorizes tools into **descriptive, diagnostic, predictive, and prescriptive** and highlights selecting platforms that integrate with workflows, support collaboration, and scale with demand (Cazier, 2023, p. 125–158). Proper infrastructure allows experimentation, rapid deployment, and cross-functional use of analytics.

Task 5: Execution

Execution ensures analytics translates into action. Insights must influence decisions through workflows, dashboards, and operational integration (Cazier, 2023, p. 161–189). Cazier emphasizes continuous feedback, monitoring, and alignment with business processes to avoid analytics outputs remaining unused. Execution bridges analysis and operational impact.

Task 6: Analytics Maturity

Analytics maturity refers to the organization's capability to generate sustainable value from data. Cazier outlines stages from experimentation to advanced, repeatable processes (Cazier, 2023, p. 191–225). Talent development, governance, cultural alignment, and embedding analytics in decisions build maturity. Organizations assess maturity to plan growth and ensure continuous capability improvement.

Task 7: Responsible Analytics and Institutionalization

Responsible analytics integrates ethics, transparency, and accountability (Cazier, 2023, p. 227–261). Institutionalization embeds analytics into organizational routines, decision-making, and governance. Cazier references ethical frameworks and encourages "analytics for good," emphasizing repeatable, trustworthy processes that sustain adoption and long-term value creation.

Part 2: Analysis and Personal Reflection

Reading Cazier's book shifted my perspective: analytics is primarily a leadership and organizational challenge rather than solely a technical endeavor. Previously, I focused on models and tools, but the book demonstrates that **analytics adoption** depends on leadership, coordination among teams, data governance, and operational embedding. The **DAD framework** clarifies how decision surfaces, analytics mindset, and action-oriented strategies interconnect.

Reflecting on each task:

- **Task 0 – Leadership:** I was drawn to this task because leadership ensures analytics initiatives are aligned with strategic objectives and visible across the organization.
- **Task 1 – Defining the Problem:** I found reframing business problems challenging but insightful, reinforcing that analytics should begin with objectives, not data.
- **Task 2 – Building the Team:** Integrating technical, business, and managerial expertise ensures insights are actionable; collaboration is key for adoption.
- **Task 3 – Managing Data:** Quality and governance are foundational for trust; consistent data definitions enhance reliability of insights.
- **Task 4 – Tools and Infrastructure:** Tools are enablers supporting descriptive, predictive, and prescriptive analytics; they should be integrated with processes.
- **Task 5 – Execution:** Operational embedding of analytics ensures that insights are used in decisions; dashboards and reports translate outputs into actions.
- **Task 6 – Developing Talent and Maturity:** Mentorship, training, and rotations build both technical capability and analytical judgment, driving adoption.
- **Task 7 – Responsible Analytics:** Institutionalization and ethical frameworks ensure repeatable, trustworthy decisions and sustain long-term adoption.

Analysis Table: 7 Tasks Summary

Conclusion

Cazier's *Leading in Analytics* provides a structured roadmap for embedding analytics within organizations. Tasks 0–7 interconnect to produce **mature, responsible, and opportunity-driven** analytics outcomes. Integrating the DAD framework, decision surfaces, and strategic collaboration ensures analytics is embedded in culture, workflows, and decision-making. This

Task	Key Insights / Examples / Reflection
Leadership (Task 0)	Drives adoption and alignment. Example: CDO sponsorship ensures visibility (Cazier, 2023).
Defining the Problem (Task 1)	DAD framework defines decision surfaces; focusing on problems ensures measurable impact.
Building the Team (Task 2)	Cross-functional collaboration integrates technical, business, and managerial perspectives for actionable insights.
Managing Data (Task 3)	Governance, quality, and five Vs ensure trusted, reliable insights for operational and strategic use.
Tools and Infrastructure (Task 4)	Tools support analytics (descriptive, diagnostic, predictive, prescriptive) but do not replace leadership or strategy.
Execution (Task 5)	Embedding analytics into workflows, dashboards, and reports ensures insights drive decisions.
Developing Talent (Task 6)	Mentorship, rotations, and training develop skills and maturity, enabling consistent generation of actionable insights.
Responsible Analytics (Task 7)	Institutionalization and ethical frameworks embed analytics into organizational DNA, ensuring sustainable adoption.

reading reinforced that analytics is a leadership discipline: success requires coordination, ethical governance, and operational execution. These lessons will guide my academic projects and future professional work in data analytics.