

DATA LITERACY & DATA INTUITION: MAKING SMARTER DECISIONS WITH DATA

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Data Literacy & Data Intuition





Data Are Not Insights



Understanding Your Psychological Biases in Decision Making



Data-Driven Decision Making



How to Ask Data-Driven Questions



How to Evaluate Data Integrity



Creating Richer Data-Driven Dialogue



The Art of Guestimating – The Fermi Method



Emerging Areas in Data-Driven Decision Making











What is Data-Driven Decision Making (DDDM)



Make informed

and verified

decisions!

Quantitative Analysis



Qualitative Analysis



Data-Driven Decision Making (DDDM)



Collect, extract, format and analyze **insights**

Using accurate and relevant data





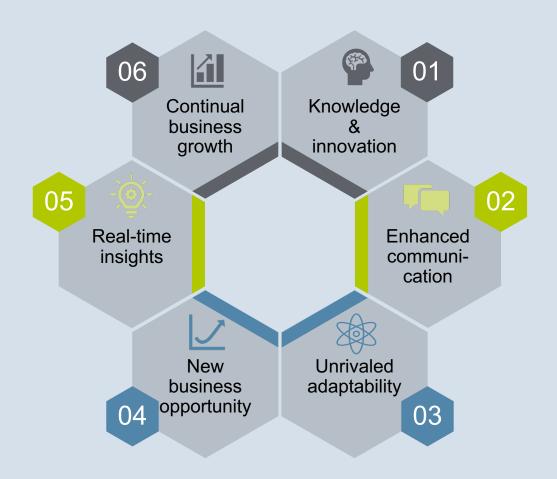






Why Data-Driven Decision Making Is Important?









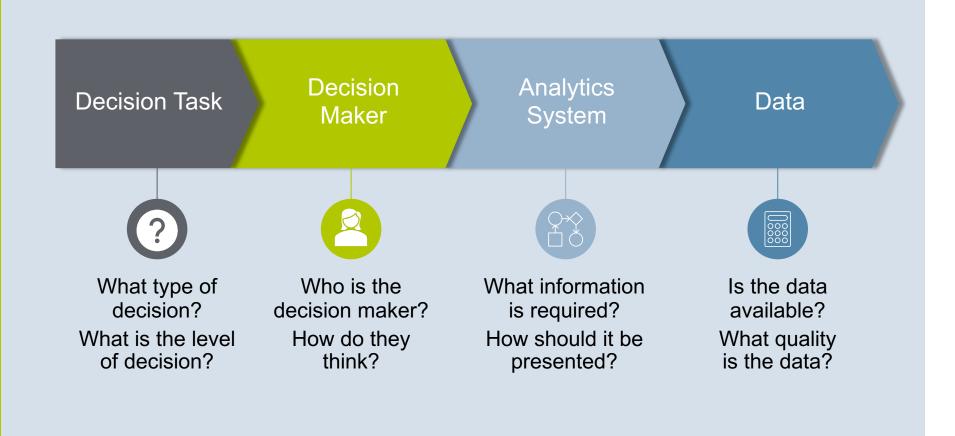






The Decision-Centric Approach















MANNHEIM BUSINESS SCHOOL

14 Tips & Takeaways For An Enhanced Data-Driven Decision Making Strategy













Data Driven Decision Making Mistakes You Should Avoid



01

Quality of the data

- Data should fit its intended use
- Collecting and gathering are only good if well managed



02

Over-Reliance on past experience

- Environments and markets change
- Crises are becoming more complex

0

Going with your gut and cooking the data

- Making decisions with your gut
- Searching for data to confirm the decision



04

Cognitive biases

- Confirmation bias
- Overconfidence
- **)** ...











Successful Data-Driven Decision Making Example: Google



Question: Does having a manager actually matter?



Looked at managers' performance reviews



Conducted various analyses



Researched behaviors of good managers















Successful Data-Driven Decision Making Example: Walmart



Question: What do consumers buy before a hurricane?



Reviewed purchasing behavior during last hurricane



Adapted their product portfolio



Generated profit









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Successful Data-Driven Decision Making Example: Southwest Airlines



Question: Which customers should we target?



Observe consumer behavior



Segment customers



Target specific customers

















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The Role of Dashboards for Data **Driven Decisions**







Finance

Current Assets	\$129,000
Cash	\$34,000
Accounts Receivable	\$59,000
Inventory	\$31,000
Pre-Paid Expenses	\$5,000

Sales

NUMBER OF SALES 115









REVENUE \$150,009



PROFIT \$39,709





COST \$110,300













