



DATA LITERACY & DATA INTUITION: MAKING SMARTER DECISIONS WITH DATA

PROF. DR. FLORIAN STAHL



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

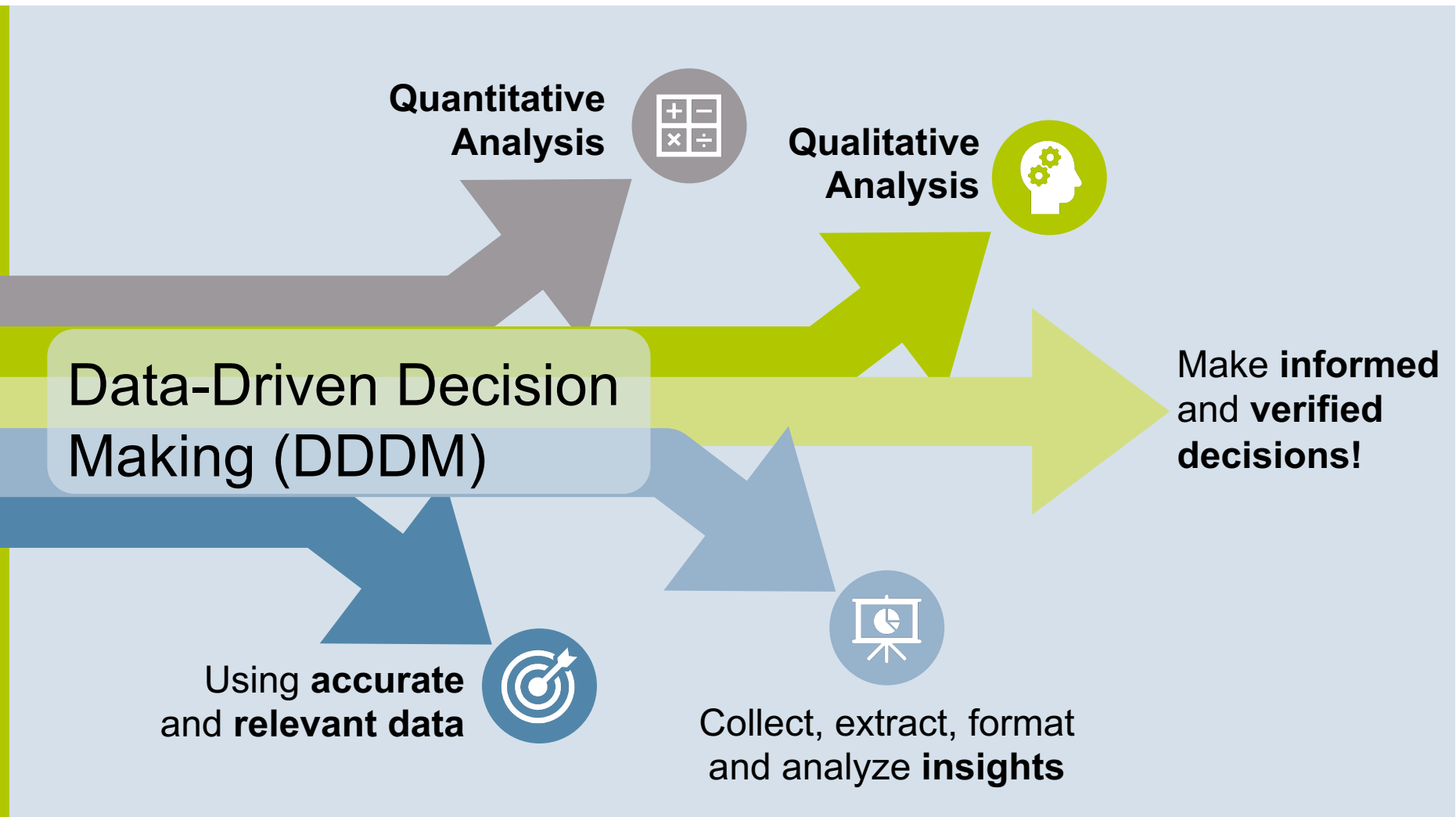


The Art of Guestimating – The Fermi Method



Emerging Areas in Data-Driven Decision Making

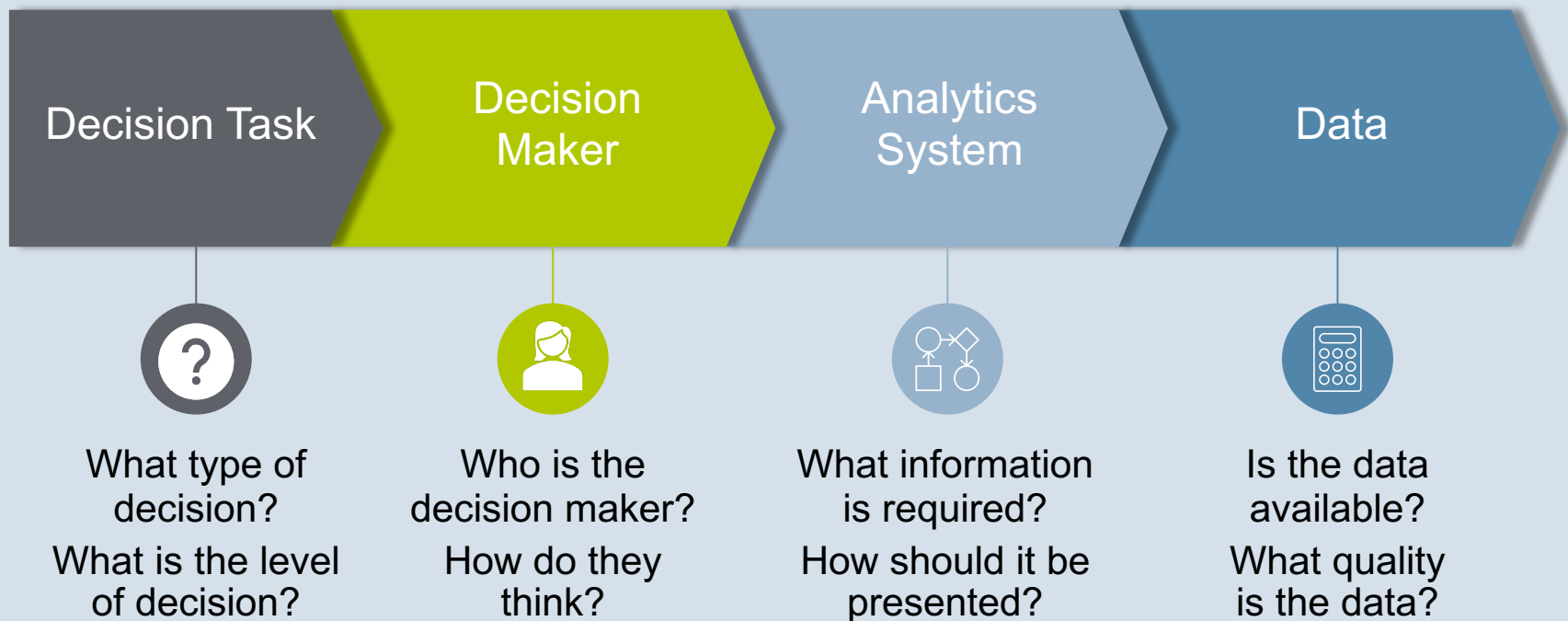
What is Data-Driven Decision Making (DDDM)



Why Data-Driven Decision Making Is Important?



The Decision-Centric Approach



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

03



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
- › Over-confidence
- › ...

Successful Data-Driven Decision Making

Example: Google

Question: Does having a manager actually matter?



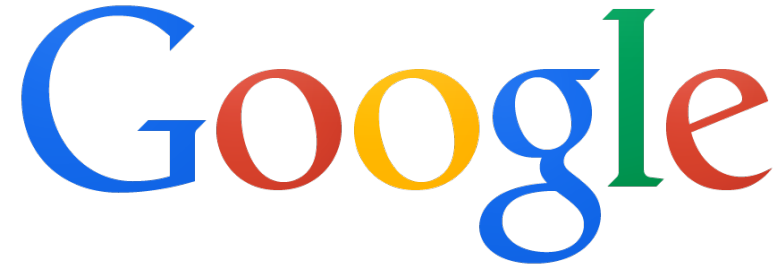
Looked at managers' performance reviews



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



Successful Data-Driven Decision Making

Example: Southwest Airlines

Question: Which customers should we target?



Observe consumer behavior



Segment customers



Target specific customers



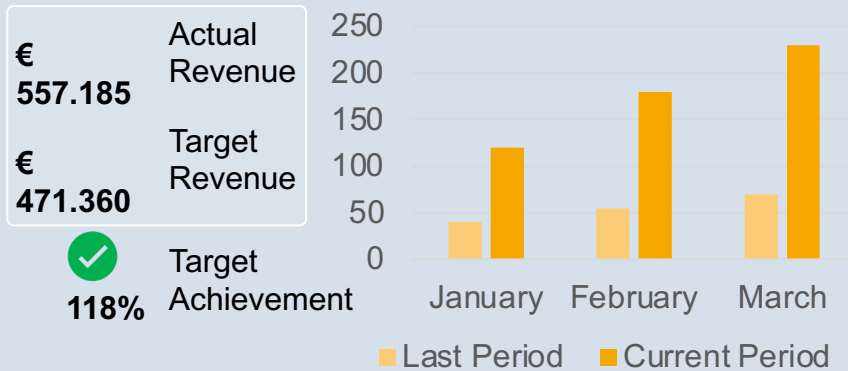
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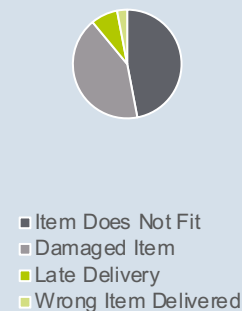
The Role of Dashboards for Data Driven Decisions

Executive Management

Revenues (in k\$)

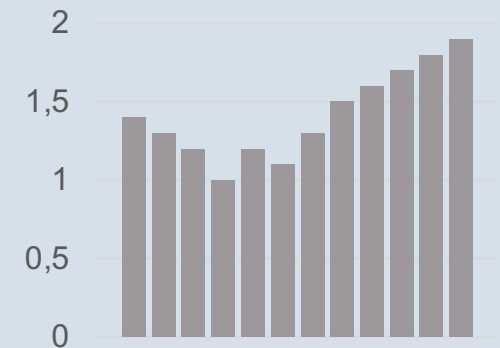


Return Reasons



Retail

Total Orders (in M)



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



-4%



+5%

REVENUE

\$150,009



-9%



-4%

PROFIT

\$39,709



-1%



-11%

COST

\$110,300



-12%



-1%