Data Platform & Analytics

(Rethink all the Analytics)

by

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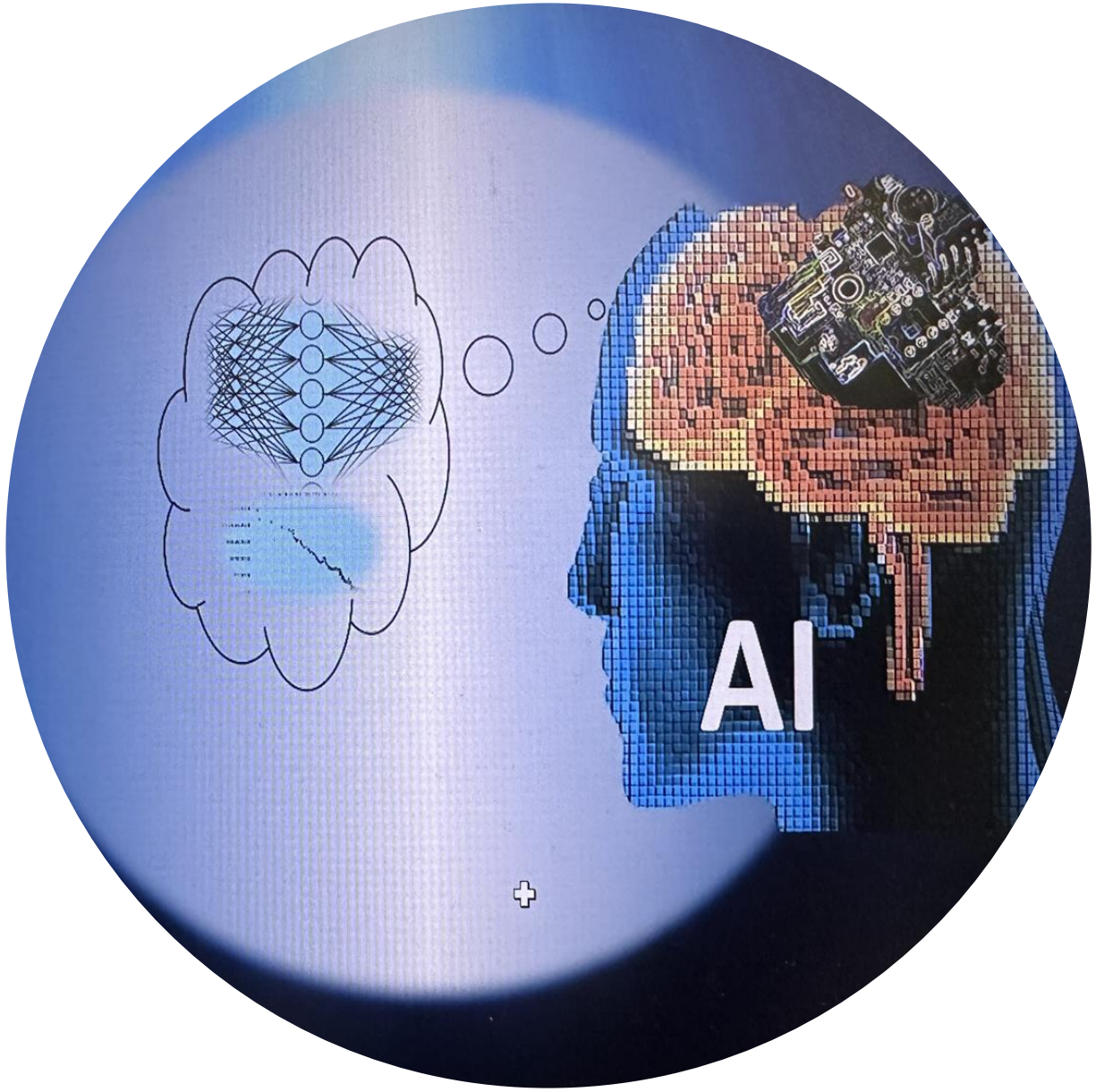


Data Analytics Leadership Model

Strategic Vision: Developing a clear vision for how data analytics can support the organization's goals. This includes identifying key areas where data can provide insights and drive decision-making.

Technical Proficiency: Understanding data analytics tools, methodologies, and best practices. While a leader may not perform technical tasks daily, having a strong grasp of the field is essential for guiding the team and making informed decisions.

Stakeholder Communication: Effectively communicating insights and recommendations to non-technical stakeholders. This includes translating complex data findings into actionable business strategies.

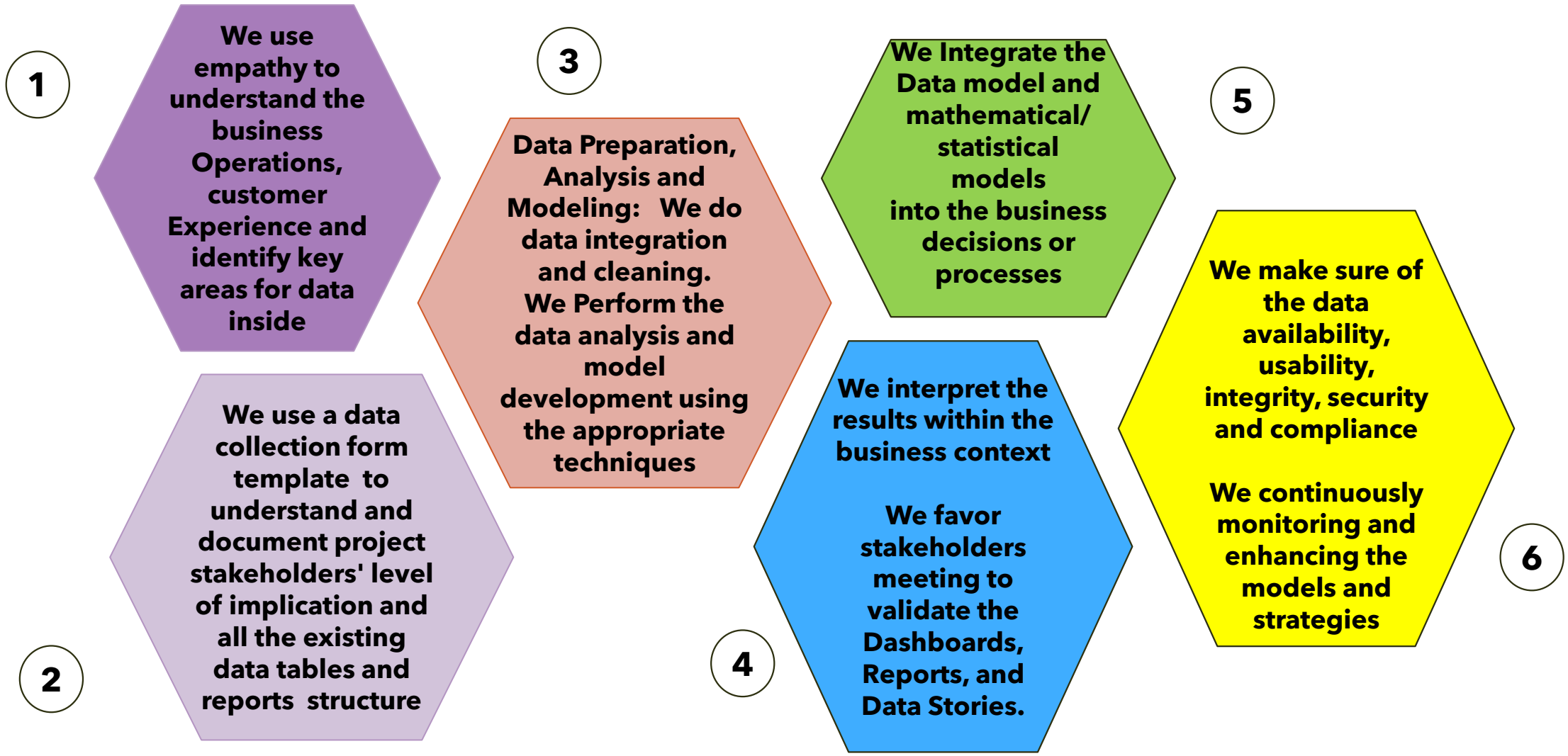
Ethical Considerations: Promoting ethical use of data and ensuring that analytics practices respect privacy and other ethical standards.

Data Governance: Ensuring data quality, security, and compliance with relevant regulations. Implementing policies and procedures for data management and usage is crucial for maintaining trust and integrity.

Innovation and Adaptability: Staying abreast of industry trends and emerging technologies. Encouraging a culture of innovation where the team is open to experimenting with new tools and techniques.

Performance Measurement: Establishing key performance indicators (KPIs) to measure the impact of data analytics initiatives. Continuously monitoring and refining strategies based on performance data.

Data Analytics Team Framework



1 & 2 Client Brainstorm Meeting 3 - Prototyping 4 - Model Evaluation and Validation 5 - Deployment 6 – Data governance

Data Analytics System

Data Sources API

YAHOO! FINANCE

Google Finance

Google Maps

Statistics Canada
StatsCan

Other Data Sources

1

Data Engineering

Data Preprocessing and Models development Engine (with Python)

Datameer

databricks

Python

data iku

jupyter

Google colab

2

Data Repositories

Amazone S3

SharePoint

SQL Server/SQL Server Data Lake

3

Data Visualization

+ a b | e a u

Power BI

1 & 2 ETL/ELT(Extract, Transform & Load)

3 Data Utilization

Python

References

https://www.ibm.com/docs/it/SS3RA7_18.3.0/pdf/ModelerCRISPDM.pdf