CHEAT SHEET
FOR CHIEF DATA OFFICERS (CDOs)
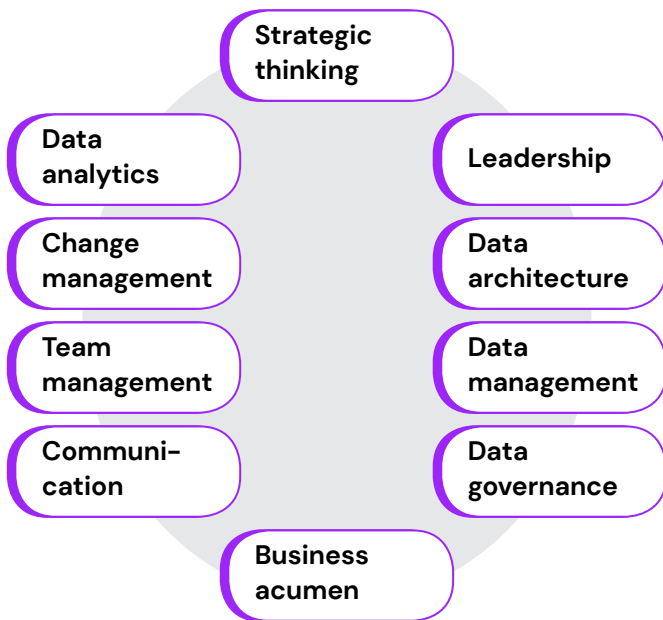
by Sergey Gromov

Your Data Guy

CHEAT SHEET FOR CDOs

- ✓ **Define the data strategy**
- ✓ **Develop data governance**
- ✓ **Foster a data-driven culture**
- ✓ **Establish data architecture**
- ✓ **Manage data quality**
- ✓ **Develop data analytics**
- ✓ **Ensure data privacy**
- ✓ **Foster collaboration**
- ✓ **Leverage emerging technologies**
- ✓ **Measure and report performance**

10 SKILLS THAT ARE IMPORTANT FOR A CHIEF DATA OFFICER

- Strategic thinking
- Data analytics
- Leadership
- Change management
- Data architecture
- Team management
- Data management
- Communication
- Data governance
- Business acumen

THE DATA TEAM

- Data governance specialists
- Business intelligence specialists
- Data quality analysts
- **THE DATA TEAM**
- Data analysts
- Data architects
- Data scientists
- Data engineers
- Data visualization specialists

6 METRICS THAT A CDO MIGHT USE TO REPORT TO COMPANY EXECUTIVES AND THE REPORTS THAT THEY MIGHT USE IN THEIR WORK

DATA QUALITY METRICS

CDOs can report on data accuracy, completeness, consistency, and timeliness. These metrics can be tracked using a data quality scorecard, which can help identify data quality issues and prioritize corrective actions.

- IBM InfoSphere Information Server
- Informatica Data Quality
- Ataccama ONE
- Data Ladder
- Talend Data Quality

DATA GOVERNANCE METRICS

CDOs can report on compliance with data governance policies, such as data privacy, security, and regulatory requirements. They can also track the adoption and effectiveness of data governance practices using metrics such as the number of data governance policies implemented and the number of data incidents reported.

- Collibra Data Governance
- Informatica Axon Data Governance
- Alation Data Catalog
- Datameer Governance
- erwin Data Intelligence

DATA ANALYTICS METRICS

CDOs can report on the impact of data analytics on business outcomes, such as revenue growth, cost savings, and customer satisfaction. They can also track the adoption and effectiveness of data analytics tools and processes using metrics such as the number of data models developed, the number of data insights generated, and the time it takes to produce insights.

- Tableau
- Microsoft Power BI
- QlikView
- SAP Analytics Cloud
- Domo

DATA MANAGEMENT METRICS

CDOs can report on the efficiency and effectiveness of data management processes, such as data integration, data storage, and data access. They can track the adoption and effectiveness of data management tools and processes using metrics such as the number of data sources integrated, the amount of data stored, and the time it takes to access data.

- Apache Hadoop
- Apache Spark
- MongoDB
- Oracle Database
- Microsoft SQL Server

DATA LITERACY METRICS

CDOs can report on the level of data literacy across the organization. They can track the adoption and effectiveness of data literacy training programs using metrics such as the number of employees trained, the level of employee engagement, and the level of improvement in data literacy skills.
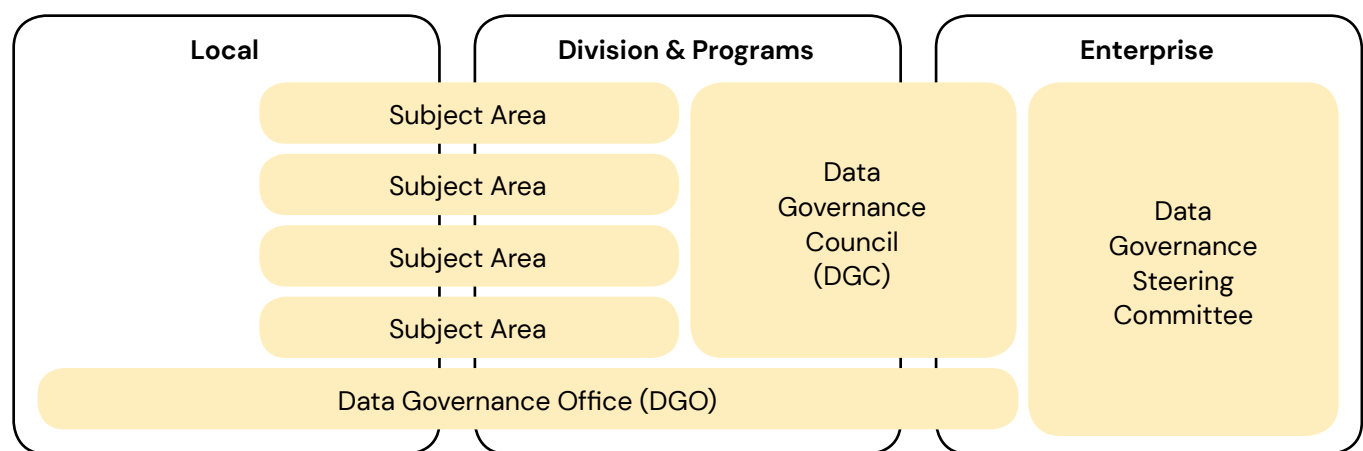
- Alteryx
- DataCamp
- Coursera
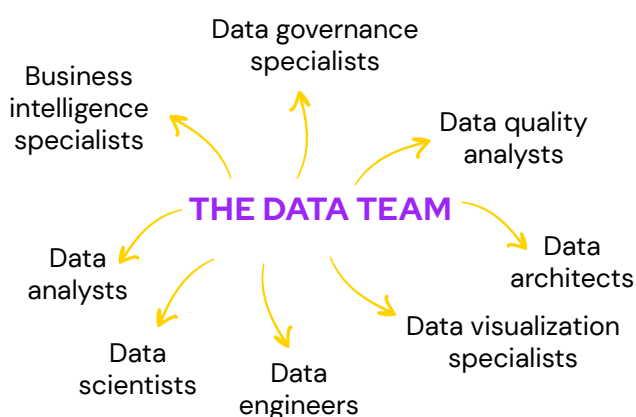- edX
- Udacity

EMERGING TECHNOLOGY METRICS

CDOs can report on the adoption and effectiveness of emerging data technologies, such as artificial intelligence, machine learning, and big data. They can track the impact of technologies on business outcomes using metrics such as the number of use cases developed, the level of automation achieved, the time it takes to deliver insights.

- TensorFlow
- Microsoft Azure Machine Learning
- IBM Watson Studio
- Amazon SageMaker
- Google Cloud AI Platform

CHIEF DATA OFFICER (CDO)

Local
- Subject Area
- Subject Area
- Subject Area
- Subject Area

Division & Programs
- Data Governance Council (DGC)

Enterprise
- Data Governance Steering Committee

Data Governance Office (DGO)

CHIEF DATA OFFICER (CDO)

Data Strategy	KPIs for CDO Evaluation	Skills Required for CDO	Tools and Products for CDO
Data Governance	Data Quality	Technical Skills	Data Management Tools
Data Management	Data Governance	Business Skills	Data Analysis Tools
Data Privacy and Security	Data Privacy	Interpersonal Skills	Data Governance Tools
Data Quality	Data Utilization Value Derived from Data		Data Visualization Tools
	Value Derived from Data		