

# Data Analytics & Business Intelligence for CA

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- CA DHANANJAY GOKHALE

*“Data is the new oil”*

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# Types of Data Analysis

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- Descriptive
- Diagnostic
- Prescriptive
- Predictive

# Classification of Data

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- Structured
- Semi-structured
- Unstructured

# Types of Reports

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- Dashboards
- Visualisations
- Tables

# Types of Data Sources

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- Files
- Database
- Service

# Types of Database System

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- OLTP (Online Transaction Processing)
- OLAP (Online Analytical Processing)

# Popular Spreadsheet Solution

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- Microsoft Excel
- Google Sheets
- Libre Calc
- Zoho Sheet



# Popular BI Tools

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- Power BI
- Tableau
- QlikSense
- Microstrategy
- Data Studio / Looker
- Cognos Analytics
- Zoho Analytics

# Popular Database platforms

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- Microsoft SQL Server
- Oracle Database Server
- MySQL Server
- IBM DB2
- Snowflake

# Flow of Data for Analytics

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# Various roles related to Data

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- 1) Database Administrator
- 2) Data Scientist
- 3) Data Analyst

# Data Analyst Role

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- Understanding problem statement, object & requirements of end-user
- Study of various sources of data
- Development of Dashboards & Spreadsheet reports as per requirements
- Securing of BI report with proper access control
- Training end-user to get them familiar with BI tools
- Maintenance of reports with improvements / changes

# Skills required for BI profile

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- Good knowledge of Spreadsheet solution
- Hands-on of popular BI Tools
- Basic knowledge of Database
- Technical understanding concepts / techniques of BI
- Sound knowledge of Business & it's process
- Fluent & clear communication