D& TYPES,TOOLS,&PPLIC&TION



Data Analytics Types



- Four main types of data analytics
- 1. Predictive data analytics
- 2. Prescriptive data analytics
- 3. Diagnostic data analytics
- 4. Descriptive data analytics





> Predictive data analytics :

Predictive data analytics - makes predictions about future outcomes using historical data combined with statistical modeling, data mining techniques and machine learning.





> Prescriptive data analytics :

- Prescriptive Analytics examines data or content to answer the question "What should be done?" or "What can we do to make happen?",
- Techniques graph analysis, simulation, complex event processing, neural networks.





> Descriptive data analytics

- Descriptive analytics is the process of parsing historical data to better understand the changes that occur in a business.
- Using a range of historic data and benchmarking, decision-makers obtain a holistic view of performance and trends on which to base business strategy.





> Descriptive data analytics

- Descriptive analytics is the process of using current and historical data to identify trends and relationships.
- simplest form of data analysis
- Answers the question "What happened?" providing reports and analysis of past events



Data Analytics Types



Some of the widely used data analytics tools are :

- \succ R and Python
- Microsoft Excel
- > Tableau
- > RapidMiner
- > KNIME
- Power BI
- Apache Spark
- > QlikView
- > Talend
- Splunk





Data Analytics Applications

Applications for Text, Web and Social Media:

- Text mining extracts knowledge from texts
- Social network analysis information's extracted from social relations
- Recommendation systems.



Applications of Data Science



- Internet Search
- Recommendation Systems
- Image/Speech/Character Recognition
- Gaming
- Price Comparison Websites PriceGrabber, PriceRunner, Junglee, Shopzilla.