

DIPLOMA IN DATA- ANALYST (AI Insights)

Duration-5Months



Unlock the power of Data with KDN
Infotech IT Placement and institute
Data Analyst Course.



www.kdninfotech.com

No : 7888067288 / 7888097288

INTRODUCTION :

A data analyst course introduces individuals to the field of data analysis, equipping them with the skills to extract, analyze, and interpret data to solve problems and inform decision-making.

These courses cover various tools, techniques, and methodologies used in data analysis, often including programming languages like Python / R, database management systems like SQL, PLSQL and data visualization tools like Power BI, Tableau, Excel.



KDn
Dedicated To Excellence

BASIC SQL

- Introduction
- Retrieving Data using the SQL SELECT statement
- Restricting and sorting Data
- Using single-row functions to customize Output
- Using Conversion functions and conditional Expressions
- Reporting aggregated data using the group functions



Displaying data from multiple

- Tables using Join.
Using Sub-Queries to solve Queries
- Using the SET Operators ,Set
operator Types Union, Union All,
Minus, Intersect.
- DDL Commands.

Manipulating Data Using DML

- Commands.
- TCL commands, ACID Rule.
- Data Validation using Constraints.



ADVANCE SQL

- Advanced Analytics: Window functions
- (ROW_NUMBER(), RANK(), LAG/LEAD) and Partition by , PERCENT_RANK().
- Database Objects – View , Sequenc,
- Synonym, Sequence.
- Data Control Language. GRANT , Revoke.
- Dictionary Views.
- Restor Data Using Flashback.
- Working on Large Datasets – Insert all , Insert First , Merge



- Advance Grouping Operators – Rollup, Cube.
- Hierarchical Queries.
- Advance Subquery – Correlated Subquery, Scaler Subquery, Inline Subquery Exist/Not Exist Operators.
- CTE(Common Table Expression) using WITH Clause .

PLSQL

- Introduction to PL/SQL
- Declaring PL/SQL identifiers
- Interacting with the Oracle Server
- Writing control Structure
- Working with composite Data Type
- Using Explicit Cursors
- Handling Exceptions with PL/SQL
- Creating stored Procedure
- Creating stored Function



- Creating Packages
- Using more Packages Concepts
- Utilizing Oracle supplied packages in application Development
- Dynamic SQL and Metadata
- Design considerations for PL/SQL Code
- Creating Triggers
- Applications for Triggers



Dedicated To Excellence

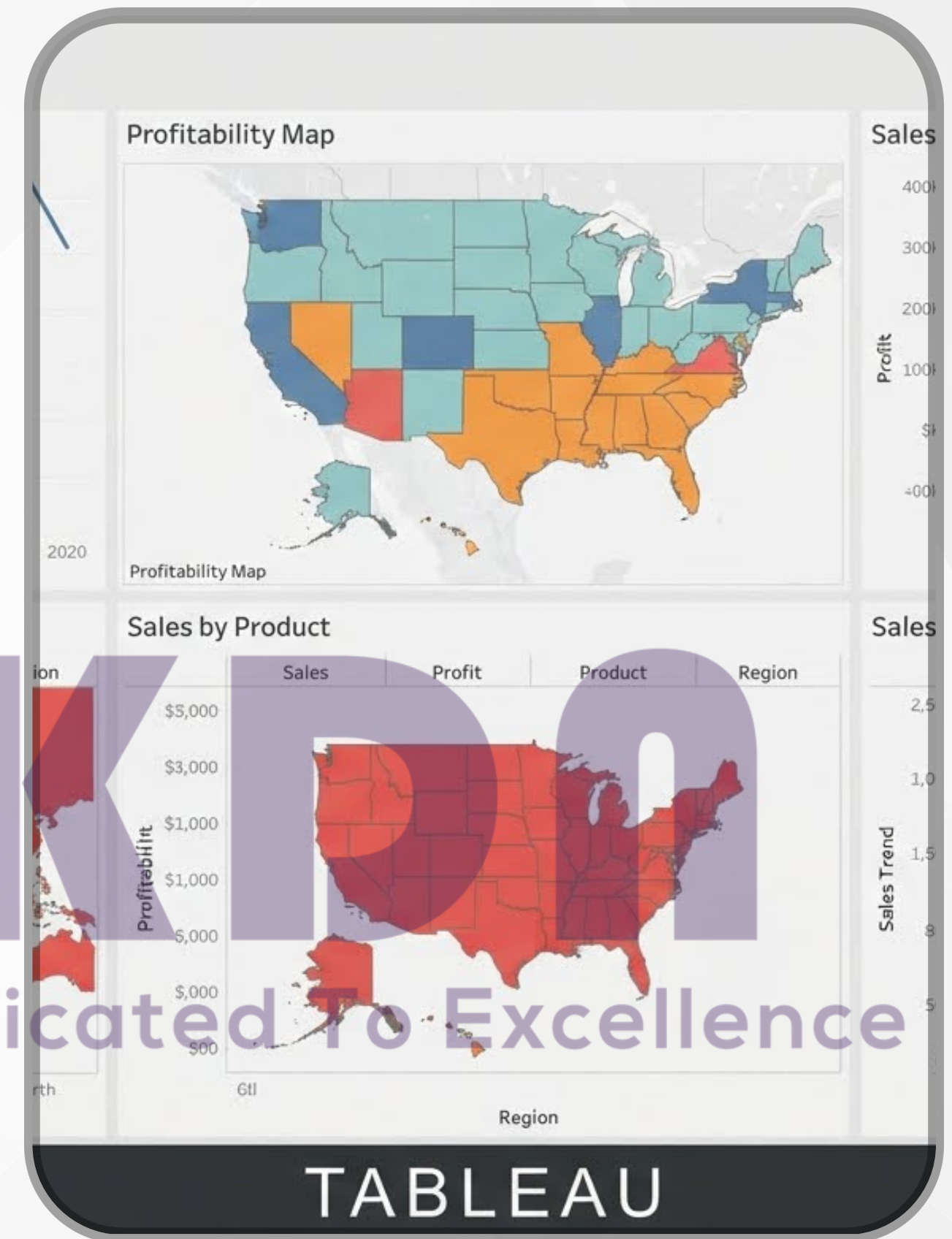
POWERBI

- Introduction .
- Power-BI Installation .
- Power architecture & Building Blocks.
- Data Transformation.
- Visualisation Types & Report Generation.
- Working on Data Analyst Expressions (DAX).
- Data Modeling – Power Query.
- Power-BI Dashboard.
- Power-BI Maps , KPI .
- Power-BI Drilldown , Slacing & Daicing.
- Power-BI Shcema –Snowflake & Star.
- Visualization using python script.
- Custom Visualisaton.
- Power-BI Project.



Tableau

- Introduction
- Tableau- Installation.
- Power architecture and visual basics Chart.
- Mastery & Geographic Mapping.
- Tableau Filter & Functions.
- Advanced Tableau Calculations.
- Dashboard Design & Tableau Public.
- Tool Comparison Power BI vs Tableau.



PYTHON

- Introduction
- Keyword
- Identifier
- Variable
- Datatype
- Typecasting
- Summary of Datatype
- Memory management in Python
- Operator
- Math Module
- Input and Output Statements
- Flow Control
- Conditional Statement
- loops



LIBRARIES FOR DATA ANALYST

NUMPY

- Introduction to Numpy
- Numpy Arrays Array
- creation Functions Array
- indexing and Slicing Array
- Operations Reshaping and Manipulation Copy vs View
- Mathematical an statistical
- Functions Linear algebra with Numpy Random
- module in Numpy



PANDAS

- Introduction to Pandas
- Pandas data Structures
- Reading and writing Data
- Data Exploration and basic Operations
- Indexing and Selection
- Data Cleaning
- Data Transformation
- Aggregation and Grouping

MATPLOTLIB(SEABORN)

- Introduction to Seaborn
- Basic plotting with Seaborn
- Plot Aesthetics and Customization
- Distribution Plots

EXCEL

- Manage workbook options and setting
- Create tables
- Perform options with formula and functions
- Apply custom data format and layout
- Summaries data by using functions
- Create and modify custom workbook element
- Customize options and views for worksheet
- Create and manage tables
- Manage tables , styles and options
- Filter and sort the table
- Perform conditional operations by using function
- Format and modify text function
- Apply custom data format and validation
- Apply advanced conditional formatting and filtering

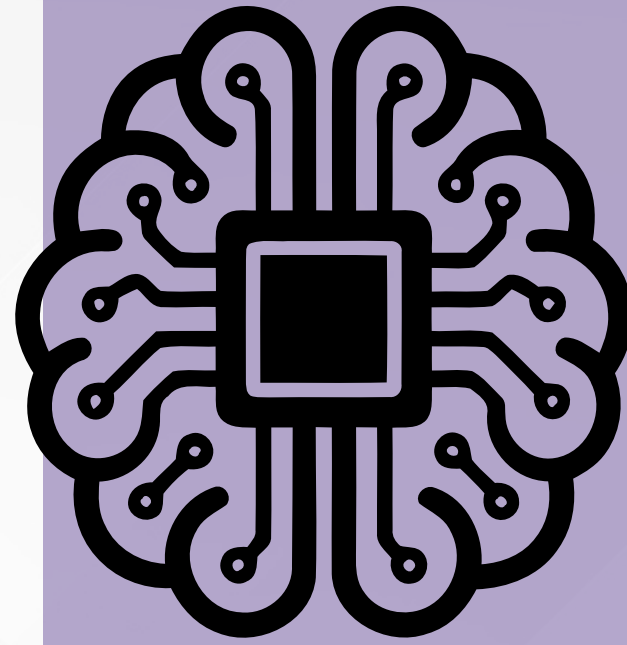


Dedicated to excellence



ADVANCE EXCEL WITH (AI)

- Pivot Tables .
- Advanced Formatting.
- Customization Cell Style.
- Workbook Distribution.
- Analyze Data (AI insights) .
- Forecast Sheet (prediction) .
- AI-generated charts .
- Suggests charts using AI.
- Auto-detect data patterns (AI).
- Suggest filters & summaries(AI).
- Highlight duplicates automatically (AI).
- Formulas, Functions & Logic Basic
- Functions, Conditional Functions.
- Lookup Functions HLOOKUP ,VLOOKUP, XLOOKUP, INDEX +MATCH.
- .Using Excel Copilot to Write formulas automatically ,Explain formulas ,Suggest corrections (AI).
- PROJECT(Capstone) :Sales Dashboard Using AI Insights .



WE PROVIDE **BEST SERVICES**

- Industry Experts Trainers
- Live Project
- 100% Practical Oriented Training
- Multiple Test For Practice
- Certificate Of Training
- HR Session
- Interview Questions Preparations
- Group Discussion
- Resume Building
- Soft Skills



Dedicated To Excellence

ADDRESS

2nd Floor, Krushna Park ,
above Allen solly \$ Peter
England , Mundhwa-
kharadi Rd, opp.

Raddison blu pune ,
Maharashtra 411014

No : 7888067288

7888097288



www.kdninfotech.com

Dedicated To Excellence



KDN

**The Beautiful Thing About Learnings Is That No One
Can Take It Away From You !!**

Dedicated To Excellence



www.kdninfotech.com

No : 7888067288 / 7888097288