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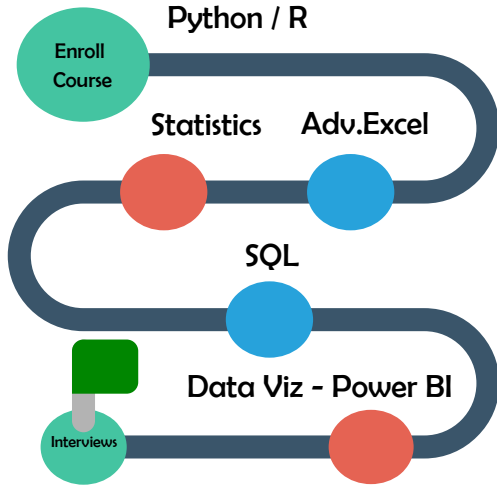


dataminds
TRAINING | PLACEMENTS | CONSULTING



Online Classroom

Road Map to Data Analyst



PYTHON DATA ANALYTICS

PYTHON INTRODUCTION

What is programming ?

- Intro to python
- python programming
- how to install python
- Hello World
- Keywords
- Identifiers
- Keywords List
- Statement Indentation
- Comments
- Variables_ & Constants
- Literals
- Type Conversion
- Input/Output
- Import
- Python Operators
- Namespace & Scope

PYTHON DATA TYPES

- Numbers
- String
- List
- Tuple
- Dictionary
- Sets

SQL DATA ANALYTICS

- Introduction to SQL
- Installation of SSMS
- Introduction to Data Concepts
- Importing Databases
- Big 6 Statements
- Order of Queries
- Order of Execution
- Joins
- Partitions
- Index
- Window Functions
- Analytical Functions
- Practice Exercises
- Connecting SQL with Excel & Power BI
- Native Queries
- Data Security



PANDAS MODULE

- DataFrame_from_Dictionary
- DataFrame_from_List
- DataFrame_head()_and_tail()
- DataFrame_drop_columns
- DataFrame_drop_duplicates
- DataFrame_drop_columns
- NA
- rename_columns
- Python_dictionary
- set_index
- reset_index

NUMPY MODULE

- Numpy Introduction
- Array part 1
- Array part 2

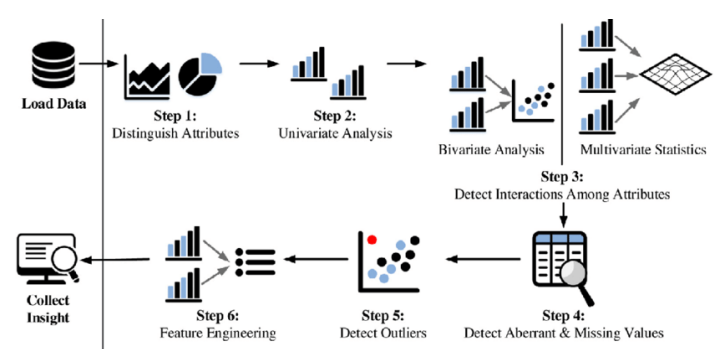
MATPLOTLIB MODULE

SEABORN MODULE

- Loading Dataset
- Controlling Aesthetics
- Palettes
- LM Plot & Reg Plot
- Scatter Plot
- Joint Plot
- Additional Regression Plots
- Categorical Data Plot
- Dist Plot
- Strip Plot
- Box Plot
- Violin Plot
- Bar Plot
- Count Plot
- TimeSeries
- Letter Value Plot
- Factor Plot
- PairGrid Plot
- FacetGrid Plot
- Heat Map
- Cluster Map

STATISTICS & CHARTS

- Mean, Median and Mode
- Quartile Vs Percentage Vs Percentile
- Distributions
- Outliers
- Basic Charts
- Charts Types
- Comparison
- Relationship
- Distribution
- Composition
- Trends
- Spatial



MICROSOFT POWER BUSINESS INTELLIGENCE

DATA SOURCES

- Identify and Connect to a data source
- Types of Data Source – SQL, APIs, OneDrive, CSV, Excel, Web etc.
- Common Data Sources
- Data Source Settings
- Connection Modes - Direct Query, Import, and Dual mode
- Inconsistencies, Unexpected or Null Values & Data Quality issue
- Change data source settings including credentials, privacy levels & data source locations

ETL using Power Query

- Introduction to Power Query
- Introduction to M-Code
- Data Types
- Column Quality & Distribution
- Data Source Settings
- Removing Duplicates
- Merging Columns
- Transpose
- Group By
- Pivot Vs Unpivot
- Parameters
- Data Refresh Settings
- Split Columns
- Index Columns
- Error Handling
- Custom Functions
- UI Vs M-Code
- Custom Columns
- Merge and Append Queries
- Joins
- Fuzzy Logic

PERFORMANCE OPTIMIZATION

- Performance Analyzer
- Diagnostics
- DAX Studio
- Best Practices

DATA MODELLING

- Tables
- Data Types
- Primary Key Vs Foreign Key Vs Composite Key
- Relationships
- Star Schema Vs Snowflake Schema
- Naming Convention
- Hierarchies
- Physical Vs Virtual Relationships
- Performance
- Handling Missing / Null Values
- Configuring Q&A

TIME INTELLIGENCE

- Data Types
- Calendar Vs Fiscal
- Global Impact
- Cumulative Aggregation
- Rolling Totals
- Parallel Comparison
- Successive Time Comparison
- Excel Vs DAX Vs M-Code
- Calendar Table
- Business Examples
- Time Intelligence DAX Functions

EXTERNAL TOOLS & DATA SECURITY

- DAX Studio
- Bravo for Power BI
- DAX Formatter
- Vertipaq Analyzer
- Analyze in Excel
- Data Source
- User Authentication
- Access Rights
- Row Level Security
- Roles Creation
- Static Vs Dynamic
- Sharing Reports
- Mapping Files
- Cross Filter
- Security Filter

DAX

- Introduction to DAX
- DAX Functions
- Types
- Evaluation Context
- Row Context Vs Filter Context
- Scalar Vs Tables
- Calendar Table
- Calculated Columns
- Measures
- Quick Measures

DATA VISUALIZATION

- Themes
- Reports Vs Dashboards
- Wallpaper
- Power BI Visuals
- Slicers Vs Filters
- Types of Filters
- Edit Interactions
- Format Options
- Drill Down Vs Drill Through
- Layers

REPORT MAINTENANCE

- Workspaces
- Roles in Workspace
- Apps
- Dashboards
- Reports
- Scheduled Refresh
- Data Access
- Native Queries

LIVE Projects

Interview Faq's
Cheat Sheets
Tool Kits
CV Preparation
Linkedin Optimization
Applicant Tracking System