Welcome to ineuron.ai

Data Analytics Bootcamp

Description:

Data analytics is a field that combines information technology with business management to assist businesses in managing data, gaining business insights from it, and identifying expansion prospects. The course will provide you all of the skills you'll need to work as a data analyst.

Start Date:

Doubt Clear Time:

Course Time:

Features:

Course material

Course resources

On demand recorded videos

Practical exercises

Quizzes

Assignments

Course completion certificate

What we learn:

Basics of MySQL

Playing with data

FOREIGN KEY and JOINS

Tables and Matrix in Power BI

Power BI

Tableau

Alteryx

Excel

Requirements:

System with Internet Connection

Interest to learn

Dedication

Instructor:

Name:

Pawan Lalwani

Description:

Pavan is a highly skilled and self motivated trainer who has expertise in various business intelligence tools like Power BI, Tableau and Microsoft Excel. He comes with 10 years of experience in training individuals in different industry sectors

like Banking, Finance, Healthcare, IT, Automobile, Manufacturing and Pharmaceutical.

>Introduction and installation of MySQL:

>>Introduction to section 1

>>MySQL introduction - 5 points to know

>>MYsql Installation MAC

>Basics of MySQL:

>>Introduction to section 2

>>Creating and dropping database - Startup

>>Resolving the issue for future

>>Creating your first table

>>Adding values to canon table

>>Answering customer question

>>Introduction to section 3

>Playing with data:

>>Primary key, default, and NULL

>>Table with primary key and default values

>>Testing the new table

>>Adding new values and answering questions

>>Update in customers table

>>Delete from the customer's table

>More on functions:

>>Introduction to section 4

>>Understand the new lco user DB

>>Task for CONCAT

>>Task for REPLACE

>>task for SUBSTRING

>>Task for reverse and CHAR_LENGTH

>>Task for case conversion and DOCS

>Answering some DB questions:

>>Introduction to section 5

>>A task on DISTINCT

>>A task for ORDER BY

>>A task on LIMIT

>>Match the pattern

>>A task on COUNT

>>SQL MODES and GROUP BY

>>MIN MAX and SUBQUERIES

>>GROUP BY with MAX and MIN

>>SUM and AVERAGE with GROUP BY

>>A task on AND OR

>>A task in RANGE based selection

>>CASE THEN - multiple range selection

>A pinch of theory:

>>Introduction to section 6

>>Data type for INTEGER and STRING

>>Data type for DATE, DATETIME and JSON

>>DATE TIME code Example

>>Get the date and time

>>Lets join tom and jerry tables

>>Types of JOIN

>FOREIGN KEY and JOINS:

>>Introduction to section 7

>>Code talk over FOREIGN keys

>>Understand a new database

>>A task on INNER join

>>ONE to MANY and MANY TO MANY

>>Join more 3 or more tables

>>A task on LEFT JOIN

>>A task on RIGHT JOIN

>>FULL OUTER join and UNION tasks

>A pinch of more theory:

>>Introduction to section 8

>>Database engines - INNODB and more

>>ACID in database

>A 30 Task assignment for movie DB:

>>Introduction to section 9

>>How to practice database works - FILM

>Final exam - single attempt:

>>MYSQL Outro and some free resources

>Introduction:

>>Introduction to Power BI

>>Download, Install and Update Features in Power bI

>>Introduction to Alteryx

>>Download and Install Alteryx

>>User Interface of Alteryx

>Basic Charts in Power BI:

>>Basic Charts in Power BI Desktop

>>Column Chart in Power BI

>>Stacked Column Chart in Power BI

>>Pie Chart in Power BI

>>Donut Chart in Power BI

>>Funnel Chart in Power BI

>>Ribbon Chart

>>Include and Exclude

>>Export data from Visual

>Working with Maps:

>>Creating a Map in Power BI

>>Filled Map

>>Map with Pie Chart

>>Formatting in Map

>>Change Background in Map

>>Map of India in Power BI

>>Map of Australia in Power BI

>Tables and Matrix in Power BI:

>>Table and Matrix in Power BI

>>Creating a Table in Power BI

>>Formatting a Table

>>Conditional Formatting in Table

>>Aggregation in Table

>>Matrix in Power BI

>>Conditional Formatting in Matrix

>>Hierarchies in Matrix

>>Sub-Total and Total in Matrix

>>Number Formatting in Table

>Other Charts in Power BI:

>>Other Charts in Power BI

>>Line Chart in Power BI

>>Drill Down in Line Chart

>>Area Chart in Power BI

>>Line vs Column Chart in Power BI

>>Scatter Plot in Power BI

>>Waterfall Chart in Power BI

>>TreeMap in Power BI

>>Guage Chart in Power BI

>Cards and Filters:

>>Cards and Filters in Power BI

>>Number Card

>>Text Card

>>Formatting of Text Card

>>Date Card

>>Date Card (Relative Filtering)

>>Multi-Row Card

>>Filter on Visual

>>Filter on This PAge

>>Filter on All Pages

>>Drillthrough in Power BI

>Slicers in Power BI:

>>Slicers in Power BI

>>Text Slicers in Power BI

>>Formatting a Text Slicer

>>Date Slicers in Power BI

>>Formatting a Date Slicer

>>Number Slicers in Power BI

>Advanced Charts in Power BI:

>>Advanced Charts in Power BI

>>Animated Bar Chart Race

>>Drill down donut Chart

>>Drill down Column chart

>>Word Cloud in Power BI

>>Sankey Chart in Power BI

>>Infographic in Power BI

>>Play Axis in Power BI

>>Scroller in Power BI

>>Sunburst Chart in Power BI

>>Histogram in Power BI

>Objects in Power BI:

>>Insert Image in Power BI

>>Insert Text in Power BI

>>Insert Shapes in Power BI

>>Insert Buttons in Power BI

>>Web URL Action in Power BI

>>Page Navigation Action in Power BI

>>Bookmark Action in Power BI

>>Drillthrough Action in Power BI

>Power BI Service Introduction:

>>Create a Superstore Report in Power BI

>>Create an Account on Power BI Service

>>Publish Report to Power BI Service Account

>>Export Power BI Report to PPT, PDF or PBIX

>>Comment, Share and Subscribe to Power BI Report

>>Create a Dashboard in Power BI Service

>>Problem in Power BI Dashboard and its solution

>>Automatic Refresh in Power BI using Gateway

>Power Query - Text Functions:

>>Text Functions in Power Query (Power BI)

>>Merge Columns in Power Query (Power BI)

>>Split and Trim in Power Query (Power BI)

>>Upper,Lower and ProperCase in Power Query (Power BI)

>>Prefix and Suffix in Power Query (Power BI)

>>Left,Right and Mid Functions in Power Query (Power BI)

>>Extract Text with Delimiters

>Power Query - Date Functions:

>>Date Functions in Power Query(Power BI)

>>Year,Quarter,Month and Day Functions in Power Query (Power BI)

>>Find Difference between Dates in Power Query(Power BI)

>>Month and Day Name in Power Query (Power BI)

>>Day,Week of Month,Year in Power Query (Power BI)

>>Extract Date, Time in Power Query (Power BI)

>>Calculate Age in Power Query (Power BI)

>>Day of Year,Quarter,Month in Power Query (Power BI)

>Power Query - Number Functions:

>>Number Functions in Power Query (Power BI)

>>Basic Number Functions in Power Query (Power BI)

>>Percentage,Percent Of, Module in Power Query (Power BI)

>>Round Functions in Power Query (Power BI)

>>IsEven,IsODD, Sign in Power Query (Power BI)

>Power Query - Append Files:

>>Append multiple CSV files in a folder in Power Query (Power BI)

>>Append multiple excel sheets,Tables in Power Query (Power BI)

>>Append Excel sheets or Tables with different columns in Power BI

>>Append multiple Excel files from a folder in Power BI

>>Append different data sources in Power BI

>Power Query - Merge Files:

>>Merge Files and Tables in Power BI

>>Merge Sheets or Tables in Power Query (Power BI)

>>Merge Data from multiple Excel files or Workbooks in Power BI

>>Merge data from different data sources in Power Query (Power BI)

>>Merge data having multiple criteria in Power BI

>Power Query - Conditional Columns:

>>Conditional Column and Column from example in Power BI

>>Column from examples in Power BI - Split Text

>>Column from examples in Power BI - Merge Columns

>>Column from Examples in Power BI - Date

>>Column from Examples in Power BI - Alphanumeric

>>Conditional Column in Power BI - One Column

>>Conditional Column in Power BI - two columns

>>Conditional Column in Power BI - Compare two columns

>>Conditional Column in Power BI - on Dates

>Power Query - - Important Topics:

>>Very Important Topics in Power Query (Power BI)

>>Fill Down in Power BI

>>Grouping in Power Query (Power BI)

>>Transpose in Power Query (Power BI)

>>Unpivot In Power Query (Power BI)

>>Data Types in Power Query (Power BI)

>>Replace Errors and Values in Power Query (Power BI)

>>Keep and Remove Rows in Power Query (Power BI)

>>Add,Remove and Goto Columns in Power Query (Power BI)

>M Language Introduction:

>>M Language in Power Query

>>Introduction to M Language

>>IsIn Date Functions in M Language - Power BI

>>Add and Subtract Date M Functions in Power BI

>>Basic Date M Functions in Power BI

>>Basic Text M Functions in Power BI

>>Simple M Code in Power BI

>>Trick to get all 900+ M Functions in Power BI

>Introduction to tableau:

>>Tableau Introduction

>>Download and Install Tableau

>>Tableau Vs Excel

>Charts - 1:

>>Column Chart

>>Horizontal Bar Chart

>>Stacked Column Chart

>>Stacked Bar Chart

>>Keep Only,Exclude

>>Keep Only,Exclude2_Normal

>>Publish to Tableau Public

>Charts - 2:

>>Pie Chart

>>Multiple Pie Chart

>>TreeMap_Editing

>>Packed Bubble Chart

>>Word Cloud OR Word Map

>>Formatting payal

>Charts - 3:

>>Data Types in Tableau

>>Filled Map

>>Symbol Maps

>>India Map

>>Histogram

>Charts - 4:

>>Text Table

>>Text Table with Multiple Measures

>>Measure Names and Measure Values

>>Line Chart

>>Line Chart with Multiple Measures

>>Discrete Vs Continous Line Chart

>>Discrete Vs Continuous

>Charts - 5:

>>Lollipop Chart

>>Line Vs Column Chart

>>Dual Axis Chart

>>Column vs Shapes

>>Bar in Bar Chart

>Charts - 6:

>>Calculated fields

>>Conditional Column Chart

>>Column chart with Shapes based on condition

>>Conditional Maps

>Charts - 7:

>>Map with Pie Chart

>>Map with WMS

>Charts - 8:

>>Funnel Chart

>>Advanced Funnel Chart

>>Calendar

>>Dumbell Chart

>>Donut Chart

>>Multiple Donut Chart

>Charts - 9:

>>Bullet Chart 1

>>Bullet Chart 2

>>Table Calculations Part 1

>>Table Calculations - Compute Using - Part 2

>>Table Calculations - Relative - Part 3

>>Bump Chart

>>Bump Chart with Circle

>>100 Percent Stacked Column Chart

>Charts - 10:

>>Scatter Plot

>>Scatter Plot with Images OR Shapes

>>Bubble Chart

>>Animation - Column Chart

>>Animation - Line Chart

>>Animation - Column vs Line Chart

>Charts - 11:

>>Heat Maps

>>Heat Map with Shapes

>>Heat Map with Conditional Formatting

>>Pareto Chart

>>Rounded Bar Chart

>IN/Out Tab:

>>ALTERYX - Get Data from Excel

>>ALTERYX - Get Data from CSV

>>ALTERYX - Append All CSV files

>>ALTERYX - Browse Tool

>>ALTERYX - Output Tool - Update Existing Data

>>ALTERYX - Directory Tool

>>ALTERYX - Directory Tool - Specific Files

>>ALTERYX - Text Input Tool

>>ALTERYX - Date and Time Tool

>Preparation Tab:

>>ALTERYX - Auto Field Tool

>>ALTERYX - Data Cleansing Tool Part 1

>>ALTERYX - Data Cleansing Tool - Part 2

>>ALTERYX - Filter Tool (Text Example)

>>ALTERYX - Filter Tool (Number Example)

>>ALTERYX - Filter Tool (Date Example)

>>ALTERYX - FORMULA TOOL (Basic Example)

>>ALTERYX - FORMULA TOOL - (Multiple Examples)

>>ALTERYX - GENERATE ROWS TOOL

>>ALTERYX - IMPUTATION TOOL

>>ALTERYX - MULTI-FIELD BINNING TOOL

>>ALTERYX - MULTI-FIELD FORMULA

>>ALTERYX - MULTI ROW FORMULA

>>ALTERYX - RANDOM % SAMPLE TOOL

>>ALTERXY - SAMPLE TOOL

>>ALTERYX - RECORD ID TOOL

>>ALTERYX - SELECT TOOL

>>ALTERYX - SORT

>>ALTERYX - CREATE SAMPLE TOOL

>>ALTERYX - TILE TOOL

>>ALTERYX - UNIQUE TOOL

>Join Tab:

>>ALTERYX - APPEND FIELDS TOOL

>>ALTERYX - FIND AND REPLACE TOOL

>>ALTERYX - FUZZY MATCH TOOL

>>ALTERYX - JOIN TOOL

>>ALTERYX - JOIN MULTIPLE TOOL

>>ALTERYX - UNION TOOL

>>REGEX TOOL

>>Text To Columns

>Transform Tab:

>>ALTERYX - CROSS TAB Tool

>>ALTERYX _ TRANSPOSE Tool

>>ALTERYX - RUNNING TOTAL Tool

>>ALTERYX _ SUMMARIZE TOOL

>Reporting Tab:

>>ALTERYX - TABLE TOOL

>>ALTERYX - INTERACTIVE CHART Tool

>>ALTERYX - JOIN TABLE AND CHART

>>ALTERYX - ADD ANNOTATION

>>ALTERYX - REPORT TEXT TOOL

>>ALTERYX - REPORT HEADER TOOL

>>ALTERYX - REPORT FOOTER TOOL

>>ALTERYX - REPORT LAYOUT TOOL

>Documentation Tab:

>>ALTERYX - COMMENT TOOL

>>ALTERYX - EXPLORER TOOL

>>ALTERYX - CONTAINER TOOL

>Case Studies:

>>Study 1

>>Study 2

>>Study 3

>>Study 4

>>Study 5

>Microsoft Excel Fundamentals:

>>Launching Excel

>>Microsoft Excel Startup Screen

>>Introduction to the Excel Interface

>>Customizing the Excel Quick Access Toolbar

>>More on the Excel Interface

>>Understanding the Structure of an Excel Workbook

>>Saving an Excel Document

>>Opening an Existing Excel Document

>>Common Excel Shortcut Keys

>Entering and editing text and formulas:

>>Entering Text to Create Spreadsheet Titles

>>Working with Numeric Data in Excel

>>Entering Date Values in Excel

>>Working with Cell References

>>Creating Basic Formulas in Excel

>>Relative Versus Absolute Cell References in Formulas

>>Understanding the Order of Operation

>Working with basic excel functions:

>>The structure of an Excel Function

>>Working with the SUM() Function

>>Working with the MIN() and MAX() Functions

>>Working with the AVERAGE() Function

>>Working with the COUNT() Function

>>Adjacent Cells Error in Excel Calculations

>>Using the AutoSum Command

>>Excel's AutoSum Shortcut Key

>>Using the AutoFill Command to Copy Formulas

>Modifying an excel worksheet:

>>Moving and Copying Data in an Excel Worksheet

>>Inserting and Deleting Rows and Columns

>>Changing the Width and Height of Cells

>>Hiding and Unhiding Excel Rows and Columns

>>Renaming an Excel Worksheet

>>Deleting an Excel Worksheet

>>Moving and Copying an Excel Worksheet

>Formatting data in an excel worksheet:

>>Working with Font Formatting Commands

>>Changing the Background Color of a Cell

>>Adding Borders to Cells

>>Excel Cell Borders Continued

>>Formatting Data as Currency Values

>>Formatting Percentages

>>Using Excel's Format Painter

>>Creating Styles to Format Data

>>Merging and Centering Cells

>>Using Conditional Formatting

>>Editing Excel Conditional Formatting