CURRICULUM

AFCKS TECHNOLOGIES

PRE-REQUISITES

Basic knowledge of Microsoft Excel

WHAT YOU WILL LEARN FROM THIS COURSE

- This course is designed keeping in mind real time aspects and practical scenarios covering real time challenges.

- This course is designed from Beginner to Advanced Level.

The course is divided into 3 levels

- Beginners : The absolute fundamentals of tableau. Hit the ground running by learning all the basics, and how tableau manipulates your data. Even students with existing knowledge may learn something here.

- Intermediate : Advance your data visualisation skills and learn to leverage your data. Students will learn the bulk of tableau here.

- Advanced : Put all your skills learned to the test, and learn even more by completing a fully interactive workbook consisting of three linked dashboards. You will learn advanced dashboard skills here whilst bringing together all your knowledge.

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TABLEAU 10.3 DESKTOP TRAINING

1. INTRODUCTION

2.TABLEAU TERMINOLOGY, FIELD TYPES AND VISUAL CUES

2.1   TABLEAU TERMINOLOGIES

2.2   OPENING & CLOSING TABLEAU

2.3   START PAGE

2.4   DATA SOURCE PAGE

2.5   CONNECTING TO DATABASE

2.6   CREATING TABLE JOINS & DIFFERENT TYPES OF TABLEAU JOINS

2.7   DIFFERENT TYPES OF FILE TYPES, FILE EXTENSIONS

2.8   DIFFERENCE BETWEEN EXTRACT & LIVE CONNECTION

2.9   DATA EXTRACT VS DATA SOURCE FILTER

2.10   TABLEAU UNION VS TABLEAU PIVOT

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2.TABLEAU TERMINOLOGY, FIELD TYPES & VISUAL CUES (CONTD..)

2.11   TABLEAU WORKSPACE (DEVELOPMENT AREA)

2.12   VIEW SECTIONS

2.13   DATA TYPES & SYMBOLS

2.14   DATA ROLES (DIMENSIONS VS MEASURES)

2.15   DATA ROLES (CONTINUOUS VS DISCRETE)

2.16   CHANGING DATA TYPES & DATA ROLES

2.17   USING FIELDS IN ROWS & COLUMNS

2.18   MEASURE NAMES & MEASURE VALUES

2.19   USING NUMBER OF RECORDS

3. UNDERSTANDING MARK TYPE & DIFFERENT TYPE OF MARK SHELVES

3.1   BEHAVIOUR OF DIMENSIONS IN DIFFERENT MARK SHELVES

3.2   BEHAVIOUR OF MEASURES IN DIFFERENT MARK SHELVES

3.3   DIFFERENT MARK TYPES

3.4   DIFFERENT TYPES OF COLOUR PALETTE'S

4. BUILDING VIEWS

4.1   UNDERSTANDING ROWS & COLUMNS

4.2   TRANSPOSING TEXT TABLES

4.3   ADDING TOTAL, SUB-TOTAL, GRAND-TOTAL TO A TEXT TABLE

4.4   NORMAL FILTER/ QUICK FILTER

4.5   DIFFERENCE BETWEEN DIMENSION FILTERS & MEASURE FILTERS

4.6   UNDERSTANDING DATE FIELDS & FILTER OPTIONS

4.7   SORTING OF DATA

4.8   SETS FOR DIMENSIONS

4.9   BINS FOR MEASURES

4.10   GROUPS

4.11   HIERARCHY

4.12   DIFFERENCE BETWEEN FILTERS, GROUPS, SETS, HIERARCHY

4.13   AGGREGATIONS

4.14   TYPES OF AGGREGATIONS (DIMENSION VS MEASURES)

4.15   CHANGING AGGREGATIONS FUNCTIONS

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5. KPI CHART

5.1   CREATING KPI CHART FOR SIMPLE TEXT TABLE

5.2   CREATING KPI CHART FOR YOY & MOM

5.3   CUSTOM SHAPES

5.4   QUICK TABLE CALCULATIONS

6. GEOGRAPHICAL MAP

6.1   BASIC GEOGRAPHICAL MAP

6.2   ADVANCED GEOGRAPHICAL MAP

6.3   MAP BOX INTEGRATION

6.4   CUSTOM GEOCODING

6.5   PAGE SHELF

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10. OTHER CHART TYPES

10.1   WORD CLOUD CHART

10.2   BUMP CHART

10.3   WATERFALL CHART

10.4   FUNNEL CHART

10.5   HEAT MAPS

10.6   HIGHLIGHT TABLES

10.7   TREE MAP

10.8   CIRCLE VIEW

10.9   SIDE—BY-SIDE CIRCLE VIEW

10.10   AREA MAPS

10.11   BIN CHARTS/ HISTOGRAMS

10.12   BOX & WHISKER PLOT

10.13   SCATTER PLOT

10.14   GANTT CHART

10.15   BULLET CHART

10.16   BUBBLE CHART

10.17   DNA CHART

10.18   SLOPE GRAPH

11.   CALCULATED FIELDS

11.1   SIMPLE CALCULATED FIELDS

11.2   ADVANCED CALCULATED FIELDS

11.3   DIFFERENT TYPES OF FUNCTIONS IN CALCULATED FIELDS

11.4   LOD'S

12. DATA BLENDING & PARAMETERS

12.1   DATA BLENDING

12.2   CREATING SIMPLE PARAMETERS

12.3   ADVANTAGES & DISADVANTAGES OF PARAMETERS

12.4   USE CASES OF PARAMETERS

13. DASHBOARDS

13.1   COMPONENTS OF DASHBOARD

13.2   UNDERSTANDING HOW TO PLACE WORKSHEETS IN CONTAINERS

13.3   ACTION FILTERS & ITS TYPES

13.4   HOW TO MAKE A WORKSHEET GLOBAL

13.5   BEST PRACTICES TO DEVELOP A DASHBOARD

14. TABLEAU SERVER INTRODUCTION

14.1   HOW TO PUBLISH A DASHBOARD IN TABLEAU SERVER

14.2   HOW TO SET PERMISSION LEVELS FOR USERS ACCESSING THE DASHBOARD IN TABLEAU SERVER

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