

Training Title

INFOGRAPHICS & DATA ANALYTICS FOR OIL & GAS REPORTING

Training Duration

5 days

Training Venue and Dates

IDA1	INFOGRAPHICS & DATA ANALYTICS FOR OIL & GAS REPORTING	5	20 – 24 March 2023	\$4,500	Dubai, UAE
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In any 5 star hotel. The exact venue will be intimated once finalized.

Training Fees

US\$4,500 per participant for Public Training. Fees Includes Course Materials/Handouts, Tea/Coffee, refreshments, International Buffet Lunch.

Training Certificate

Define Management Consultancy & Training Certificate of course completion will be issued to all attendees.

TRAINING DESCRIPTION

This training seminar aims to provide professionals and analysts' in Oil and Gas companies, the necessary tools needed to present the abundance of data in one effective infographic, using available software like Tableau Public app. They will enhance their skills of using infographics to present the data in a way that can be readily communicated to others in the organization.

TRAINING OBJECTIVE

At the end of this seminar, you will learn:

- Common analytical techniques and representation methods using Infographics
- The ability to recognize the types of analysis are best suited to Oil and Gas companies
- Understand what is important in designing Infographics
- Learn how to plan the Infographic
- Develop their skills in using presentation software
- Learn the steps in creating Infographic
- Create graphs from the data
- Combine graphs and charts to effectively support the storyline
- Understand the best ways to test and promote their Infographic

TRAINING METHODOLOGY:

DMCT/OL/9/18(Rev3Dt:23/9/18)

This training program is lecture-based and customized to the needs of the audience, providing meaningful experience for personnel that work in petroleum plants.

Daily sessions include formal presentation, prepared in the Power Point, interspersed with directed discussions and case study.

In addition to formal lectures and discussions, the delegates will learn by active participation through the use of problem solving exercises, group discussions, analysis of real-life case studies etc. All attendees receive a course manual as a reference.

- 30% Lectures
- 30% Workshops and work presentation
- 20% Group Work& Practical Exercises
- 20% Videos& General Discussions

WHO SHOULD ATTEND?

The training course has been designed for Oil and Gas professionals whose jobs involve the manipulation, representation, interpretation and/or analysis of data. Familiarity with a PC and in particular with Microsoft Excel is assumed.

The training course involves extensive computer-based data analysis using Excel 2010 and therefore delegates will be expected to be numerate and to enjoy working with numerical data on a computer. This training course is suitable to a wide range of professionals but will greatly benefit:

- Marketing specialist
- Project managers
- Public relations specialists
- Marketing managers
- Campaign managers
- Business development managers
- Operational Managers involved in the data analysis
- Financial Managers
- Risk Managers
- Board Level Executives and Non-executives.

COURSE OUTLINE

Amongst a wide range of interesting topics, the following will be prioritized:

- Fundamental Statistics
- Infographics Techniques using Excel
- Basic of Oil and Gas Data Mining and Representation
- Frequency Analysis

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- The Importance of Regression Analysis in Oil and Gas companies
- Confidence Interval
- Hypothesis Testing

Day One: Introduction and Descriptive Statistics

- What is Data Analysis?
- A reminder of elementary statistics and compensations for small sample sizes
- A Quick-start Tutorial for Excel
- Describing Data Sets using Statistics
- Representing Data Sets Graphically
- How to create Info-graphic in Excel?
- How Info-graphics Data Presentation compares to the traditional methods?

Day Two: Frequency and Time Series Analysis

- Frequency of Occurrence
- Histograms
- Pareto Analysis
- Pivot Tables and Pivot Charts
- How Excel Dashboard is different from Infographics?
- How to combine Excel and Power Point for creating Infographics?
- Time Series Analysis
- Trending Data
- Estimation Theory and its relevant to Oil and Gas Data

Day Three: Scenario Analysis, Confidence and Six Sigma

- Modeling Scenario and their application in Oil and Gas Companies
- Interactive Spreadsheets
- Confidence Intervals
- Usefulness of Control Chart for Oil and Gas Companies
- An Introduction to Six Sigma
- Error Bars
- Online tools for creating Infographics
- Practical creation of Infographic based on model data

Day Four: Regression Analysis Equations and System Modeling

- Simple Regression Analysis / Maximum likelihood Estimations
- Polynomial Curve Fits
- Describing Data using Equations

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- Prediction
- The Applications of Regression to Oil and Gas Companies
- Analysis Of Variance (ANOVA)
- Comparing different types of Infographics

Day Five: The Infographics Creation and Critique

- Presenting Data using appropriate Reporting Style
- Practice creating the Infographics and its presentation
- Focus on the storytelling
- Overall review of concepts learned and How they can be applied in practice

NOTE:

Pre & Post Tests will be conducted

Case Studies, Group Exercises, Group Discussions, Last Day Review & Assessments will be carried out.



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