

# DATA VISUALISATION FOR ENGINEERS - L1



## OVERVIEW

Aside mine automation, one of the evolving areas of focus for the mining industry is BIG DATA. Yet, a lot of engineering professional have lost the art of conveying meaningful information to support data-driven decision making. The seminar will explore some of the myths, good, bad of data visualisation with emphasis on key principles and best practice.

## WHO IS IT FOR

This course is ideal for final year tertiary engineering students or fresh graduates who are looking to make a striking mark in the early years of their professional engineering careers.

## DETAILS

**Date:** Friday, 18 June 2021

**Venue:** Online

**Time:** 8:30pm GMT – Ghana

**Duration:** 2 Hours (2 Modules – Each 1 Hour)

**No. of Seats [Limited]:** 50

**Discount:** Early Bird 50% Ends 31.05.21

## Costs (discounted)

**Student (with AusIMM, SME, etc) :** FREE

**Student (No memberships) :** Ghs 10

**Recent Graduates (~2yrs) :** Ghs 10

**Standard Cost :** GHs 20

**Payment: Via MOMO to +233 (0) 55 116 6777**

Payment ID is required to complete registration.

Student: \* Proof of current membership to professional body will be required for FREE admission.

## CONTACT INFORMATION

Email: [admin@ouestpms.com](mailto:admin@ouestpms.com)

Website: [www.ouestpms.com/training/](http://www.ouestpms.com/training/)

Phone: +233 26 489 0070

## SUMMARY

### Introduction

This training workshop explores the fundamentals of effective visualisation (storytelling) with data. Data visualization allows effective communication of complex ideas and enables target audiences to see the big picture. Data visualisation brings data to life by assigning meaning and context to data - combining numbers, words and visuals, for sharing insights with audiences.

### Top 3 Learning Outcomes:

- Grasp principles and requirement for visualising data
- Use visualization end goal to prepare and explore data
- Tips for conveying information using data visualization

This delivery will focus on the essential Data visualization principles and learn how to communicate data-driven findings. This course uses actual mining industry data to highlight the weaknesses of several widely-used data visualization tools and artifacts, why they should avoid and emphasises best practice techniques, hints and tricks with basic tools.

Key topics to be covered in this 2-module session include:

- Effective Use of Tables
- Effective Use of Graphs
- Statistical data presentation
- Misleading through visualisation

### Pre-requisites:

In order to fully realize the objectives of this course, attendees would at least have a reasonable understanding of basic data manipulation and graphical display tools and techniques commonly used in MS Excel environment. A basic grasp of mining and mineral industry terminology would be great but not essential.

### Presenter: Dr Isaac Dzakpata



The presenter is a seasoned mining professional and technology leader with over 17 years' of open pit and underground experience matched with broad ranging global industry exposure. He has a PhD in Mining, M.Sc. In Project Management. Isaac has extensive experience in large open operations with strong international mining background in Load & Haul within gold, coal, quarrying, hard-rock operation across three major continents. You don't want to miss this.

Sponsored by



**QUEST PROJECT MANAGEMENT SOLUTIONS**

Mineral resource & exploration | Mining | Energy-Oil & Gas | Environmental & Geotechnical Services

5 Roman Ridge Road, Off Borstal Ave Ln, Accra, Ghana