



PREDICTIVE DATA ANALYTICS FOR SAFETY PROFESSIONALS (PDASP)

For Whom

The Predictive Data Analytics for Safety Professionals (PDASP) course is designed for safety professionals, managers, supervisors, and WSH coordinators who wish to enhance their data analytical skills in Workplace Safety and Health. It is suitable for:

- WSH Officers, Safety Managers, Supervisors, Coordinators
- Professionals responsible for workplace safety across all industries

Entry Requirement

Learners are assumed to have:

- Minimum Employability Skills (ES) Workplace Literacy level 5, or
- Minimum GCE 'N' Level with a credit in English and Mathematics, or
- A valid WSH Officer License.

Course Overview

On completion of this unit, learners will gain appreciative knowledge and skills in predictive analytics for Workplace Safety and Health.

Predictive data analytics allows accurate forecasting of workplace risks by analyzing a range of factors, such as environmental conditions, equipment health, and worker compliance with safety protocols.

The Predictive Data Analytics for Safety Professionals (PDASP) course equip participants with the practical knowledge and skills to apply the data analytical skills to foresee potential incidents at the workplace and thereby take proactive measures to mitigate and prevent incidents caused by unsafe work behaviors and environments.

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Course Content

1. Introduction to Predictive Analytics in Safety
2. Foundations of Safety Data Analytics
3. Analytical Techniques Overview
4. Excel Practice 1: Data Cleaning & Descriptive Analysis (Hands-on Exercise)
5. Applying Predictive Analytics in Safety Strategy
6. Excel Practice 2: Correlation & Regression Analysis (Hands-on Exercise)
7. Excel Practice 3: Predictive Dashboards & Insights (Hands-on Exercise)
8. Review, Assessment, and Wrap-Up Discussion

Course Duration

Total Delivery Hours: 8 Hours

Classroom Theory: 4 Hours

Practical Session (computer): 3 Hours

Assessment Hours: 1 Hour

Medium of Instruction

English

Teaching Methodology

- Class Room - Face to face Theory and Practical using computer with Excel

Learning Environment

- Interactive classroom and fully equipped workshop for practical demonstrations and performance.

Class Size

Recommended Class Size - Classroom: 20

Ideal number of participants: 5 pax or more

Key person incharge

Mr. Monish V (General Manager - Corporate Support Division)

Facilitator/Learner Ratio:

01:20

Course Attendance:

100%

Assessment Advice

Participants will be assessed on:

1. Short Answer Questions - 5 SAQs - Open-book - 30 Minutes
2. Practical Performance (computer) - 1 Question - Open-book - 30 Minutes

Both Assessments are competency-based.

Funding & Claims

- NA

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Course Fee Inclusive of GST

S\$163.5

Certification

- "Based on the successful completion of the course and assessment, a certificate of achievement endorsed by Eversafe Academy Ltd., will be awarded to the trainee. E-cert available"

Course Venue

No. 2, Kampong Kapur Road, Little India, Near Jalan Besar, MRT Station Exit B, Singapore - 208674

No. 3, Soon Lee Street, #04-14/16 & 17, Pioneer Junction, Singapore - 627606.

No. 2, Joo Koon Road, Singapore - 628966.

No. 2, Wan Lee Road, Singapore - 627934.

Renewal Points for professionals

SDU Points : 4 Points - Ref : CPD/131/T2.0/252644

Registration Venue

No. 2, Kampong Kapur Road, Little India, Near Jalan Besar, MRT Station Exit B, Singapore - 208674

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