

Data-Driven Decision Making in Education

Duration: 5 Days

Language: en

Course Code: IND08-111

Objective

By the end of this course, participants will be able to:

- Understand the principles and benefits of data-driven decision making (DDDM) in education.
- Identify relevant types of educational data and their appropriate uses.
- Use data to monitor student progress and inform instructional practices.
- Evaluate programs and initiatives based on evidence.
- Develop a culture of data use and collaboration among staff.
- Communicate data insights effectively to stakeholders.

Audience

This course is ideal for:

- School principals and leadership teams.
- Teachers and faculty members.
- District and ministry-level education administrators.
- Academic coordinators and instructional coaches.
- Data analysts and assessment specialists in education.
- Anyone involved in planning, implementing, or evaluating educational programs.

Training Methodology

The course combines instructor-led sessions, group discussions, hands-on data exercises, case studies, and collaborative projects. Participants will work with real or simulated educational datasets and develop actionable plans for applying DDDM in their own contexts.

Summary

Educational leaders and teachers face critical decisions every day that shape the experiences and outcomes of learners. In an era of increasing data availability, the ability to collect, analyse, and act on data is a key competency for improving teaching, learning, and institutional performance.

This course equips educators and administrators with the skills and tools to make informed, evidence-based decisions using data. Participants will explore how to gather meaningful data, interpret it accurately, and translate insights into actions that enhance student achievement, equity, and operational effectiveness.

Course Content & Outline

Section 1: Foundations of Data-Driven Decision Making in Education

- Why DDDM matters: linking data to improvement and accountability
- Common misconceptions and barriers to effective data use
- Understanding data literacy for educators
- The DDDM cycle: collect → analyse → interpret → act → reflect
- Workshop: diagnosing current data practices in your school or institution

Section 2: Types of Data and Their Uses

- Student achievement data: test scores, assessments, learning outcomes
- Demographic and contextual data: attendance, behaviour, socioeconomic factors
- Perception data: surveys, feedback from students, parents, and staff
- Process and operational data: curriculum delivery, resource utilisation
- Workshop: identifying and prioritizing the right data sources

Section 3: Analysing and Interpreting Educational Data

- Basic statistical concepts for educators: mean, median, trends, correlations
- Data disaggregation to identify patterns and gaps
- Using dashboards and data visualization tools
- Identifying root causes behind trends and anomalies
- Workshop: interpreting a sample dataset and drawing actionable conclusions

Section 4: Applying Data to Improve Teaching and Learning

- Using formative and summative assessment data to adjust instruction
- Setting SMART goals informed by data insights
- Evaluating program effectiveness through evidence
- Supporting equity and inclusion through targeted interventions
- Workshop: designing a data-informed instructional improvement plan

Section 5: Building a Data-Informed Culture

- Engaging staff, students, and parents in meaningful data conversations
- Developing collaborative structures for shared data use
- Ensuring data quality, privacy, and ethical use
- Sustaining data practices through leadership, training, and feedback
- Final group activity: creating an action plan for fostering DDDM in your institution

Certificate Description

Upon successful completion of this training course, delegates will be awarded a Holistique Training Certificate of Completion. For those who attend and complete the online training course, a Holistique Training e-Certificate will be provided.

Holistique Training Certificates are accredited by The CPD Certification Service (CPD), and are certified under ISO 9001 and ISO 29993 standards.

CPD credits for this course are granted by our Certificates and will be reflected on the Holistique Training Certificate of Completion. In accordance with the standards of The CPD Certification Service, one CPD credit is awarded per hour of course attendance. A maximum of 50 CPD credits can be claimed for any single course we currently offer.

Categories

Education, Management & Leadership

Tags

Decision Making in Education, Data-Informed Culture

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