

Advanced-Data Visualisation Mastery

Duration: 5 Days

Language: en

Course Code: PI1-129

Objective

Upon completing this course, participants will be able to:

- Understand the fundamental principles of data visualisation.
- Utilise various tools and techniques to create effective visualisations.
- Interpret and communicate data insights through visual storytelling.
- Apply best practices in data visualisation to ensure clarity and impact.
- Develop advanced visualisation skills to handle complex datasets.

Audience

This course is ideal for:

- Data analysts and scientists looking to enhance their visualisation skills.
- Business professionals who need to communicate data insights effectively.
- Researchers and academics involved in data-driven projects.
- Anyone interested in mastering the art of data visualisation.

Training Methodology

The course employs a mix of theoretical lectures, practical workshops, case studies, and hands-on projects to ensure participants gain the knowledge and practical experience needed to master data visualisation. Interactive sessions, peer reviews, and real-world examples will enhance learning outcomes.

Summary

This course provides participants with the skills and knowledge to transform complex data into compelling visual narratives. It covers a comprehensive range of topics, including the principles of data visualisation, advanced techniques, and best practices for creating impactful visual stories. By the end of this course, participants will be able to communicate data insights and drive data-driven decision-making effectively.

Course Content & Outline

Section 1: Introduction to Data Visualisation

- Importance of Data Visualisation
- History and Evolution
- Key Concepts and Terminology

Section 2: Principles of Effective Data Visualisation

- Understanding Your Audience
- Selecting the Right Chart Types
- Visual Perception and Design Principles
- Colour Theory and Usage

Section 3: Tools and Technologies

- Overview of Data Visualisation Tools
- Hands-on with Popular Tools (Tableau, Power BI, D3.js)
- Integration with Data Sources

Section 4: Creating Impactful Visualisations

- Storytelling with Data
- Designing Interactive Dashboards
- Case Studies and Real-world Applications

Section 5: Advanced Visualisation Techniques

- Handling Big Data Visualisations
- Geospatial Visualisations
- Network Visualisations
- Time-series Visualisations

Section 6: Best Practices and Ethical Considerations

- Data Integrity and Accuracy
- Ethical Implications of Data Visualisation
- Accessibility in Data Visualisation

Section 7: Practical Workshops and Projects

- Guided Hands-on Exercises
- Group Projects and Presentations
- Peer Reviews and Feedback

Section 8: Final Assessment and Certification

- Capstone Project
- Evaluation and Feedback
- Certification of Completion

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 British Assessment Council (BAC) and The CPD Certification Service (CPD), and are certified under ISO 9001, ISO 21001, 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

AI, Data and Visualisation, IT & Computer Application, Technology

Tags

Data, Data Analysis, Data Visualisation

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