

Course : Staging data graphically

Practical course - 3.5 hours - Ref. DVZ

Price : 430 CHF E.T.

A drawing is worth 1,000 explanations... but how do you make the right drawing? What to show? How to arouse interest? With what tools? With what development skills and what distribution? This seminar will answer all these questions, using visual examples of course!

Teaching objectives

At the end of the training, the participant will be able to:

- ✓ Comprendre les étapes d'un projet de développement d'applications de visualisation de données
- ✓ Master the criteria for choosing data visualization tools and environments
- ✓ Communicating and deploying a data visualization application

Intended audience

Developers, architects, data scientists, project managers, project directors.

Prerequisites

No special knowledge required.

Course schedule

1 Data visualization: definition, history, typologies

- Definition, field of study, objectives.
- Ergonomics, Gestalt theory.
- Typologies of visual representations.
- Variables: discrete, continuous, temporal, spatial.

2 Data visualization project

- Steps, waterfall, iterations.
- Perimeter of initial data, serendipity.
- Defining messages and objectives.
- Choice of representations, definition of interactions.
- Development, deployment, iterations.

PARTICIPANTS

Developers, architects, data scientists, project managers, project directors.

PREREQUISITES

No special knowledge required.

TRAINER QUALIFICATIONS

The experts leading the training are specialists in the covered subjects. They have been approved by our instructional teams for both their professional knowledge and their teaching ability, for each course they teach. They have at least five to ten years of experience in their field and hold (or have held) decision-making positions in companies.

ASSESSMENT TERMS

The trainer evaluates each participant's academic progress throughout the training using multiple choice, scenarios, hands-on work and more.

Participants also complete a placement test before and after the course to measure the skills they've developed.

TEACHING AIDS AND TECHNICAL RESOURCES

- The main teaching aids and instructional methods used in the training are audiovisual aids, documentation and course material, hands-on application exercises and corrected exercises for practical training courses, case studies and coverage of real cases for training seminars.
- At the end of each course or seminar, ORSYS provides participants with a course evaluation questionnaire that is analysed by our instructional teams.
- A check-in sheet for each half-day of attendance is provided at the end of the training, along with a course completion certificate if the trainee attended the entire session.

3 Development tools

- IDEs, text editors. Online and office tools, data formatting.
- Data visualization software: Tableau, PowerBI, Datawrapper, Infogram, etc.
- Web APIs: HTML, SVG, Canvas.
- Front-end development libraries: Angular, React, Vue, Svelte.
- Data visualization libraries: D3, ThreeJS, ChartJS, Polymaps, SigmaJS, Chartist.js, etc.

4 Deployment

- Historical media, web and mobile.
- Continuous integration and deployment.
- Deployment with cloud tools: Github, Firebase, Netlify.

Dates

REMOTE CLASS

2026: 9 Mar., 15 June, 25 Sep., 7 Dec.

TERMS AND DEADLINES

Registration must be completed 24 hours before the start of the training.

ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you need special accessibility accommodations? Contact Mrs. Fosse, Disability Manager, at psh-accueil@orsys.fr to review your request and its feasibility.