datos.gob.es

8 GUIDES TO IMPROVE DATA PUBLICATION AND PROCESSING

1 PRACTICAL GUIDE FOR IMPROVING THE QUALITY OF OPEN DATA

Addressed to: data publishers and reusers.

What does it include?

- General guidelines for ensuring the quality of open data.
- Practical examples.
- Specific guidelines depending on the data format: CSV, XML, JSON, RDF or APIs.
- Recommendations for standardisation, enrichment and documentation of data.
- List of tools to work on data quality.
- Infographics-summary with the main guidelines to follow.

2 PRACTICAL INTRODUCTORY GUIDE TO EXPLORATORY DATA ANALYSIS

Addressed to: data reusers.

What does it include?

- EDA stages for descriptive and comprehensive data analysis.
- Case study for self-taught EDA experiments with open data.
- Additional resources: books, tutorials and online courses.

3 PRACTICAL GUIDE TO PUBLISHING TABULAR DATA IN CSV FILES

Addressed to: data publishers.

What does it include?

- Basic concepts and characteristics of the format.
- What is a data dictionary and examples.
- General guidelines for publishing CSV files.
- Essential tools for working with CSV files.
- Cheatsheet with guidelines for easy reference.

4 PRACTICAL GUIDE FOR THE PUBLICATION OF SPATIAL DATA

Addressed to: data publishers.

What does it include?

- Concepts related to the visual representation of geographic information.
- Guidelines to facilitate the publication of Spatial Data using standards.
- References, specifications, formats, standards and tools for the analysis and transformation of Spatial Data.
- Cheatsheet summarising the guide.

5 A PRACTICAL GUIDE TO PUBLISHING OPEN DATA USING APIS

Addressed to: data publishers.

What does it include?

- What are APIs, what is their value and how do they work.
- Guidelines for the design and implementation of APIs.
- Specific cases: availability of APIs for the consumption of Open Data, Linked Data and geographic web services.
- Cheatsheet.

6 PRACTICAL GUIDE FOR THE PUBLICATION OF LINKED DATA

Addressed to: data publishers.

What does it include?

- What are RDF, controlled vocabularies and SPARQL?
- Generation of Linked Data from CSV data files.
- Practical example of transformation step by step.
- Explanatory videos and Cheatsheet.

7 INTRODUCTION TO DATA ANONYMISATION GUIDE: TECHNIQUES AND CASE STUDIES

Addressed to: data publishers.

What does it include?

- Key concepts related to data anonymisation process.
- Anonymisation techniques and recommendations for their application.
- Practical examples.

8 DATA PROCESSING AND VISUALIZATION TOOLS GUIDE

Addressed to: data reusers.

What does it include?

- List of different tools for data processing.
- Includes tools for web scraping, data cleaning, conversion and analysis, network análisis and generic, geospatial, libraries and APIs visualisation.

Note: most of the guides are only available in Spanish.