



Sustainable Regional Development Academy

8-9 JULY 2025 | FEUP, PORTO, PORTUGAL

Module 3

Characterization of the Porto Metro and the Areas it Serves

Goals

Conduct a prospective analysis of the contribution of the new Porto Metro lines to mobility in different areas.

Competencies

Develop territorial analysis skills and its relationship with the transport system.

Contents

1. Data Analysis

1.1 Number of validations and occupancy rate (2009 and 2021).

1.2 Study by time periods and location to identify peak hours and demand patterns.

2. Interpretation of Results

2.1 Analyze the variables and identify trends.

2.2 Evaluate usage patterns over time.

3. Prospective Analysis

3.1 Explore the future of the Porto Metro lines.

3.2 Focus on new developments (e.g., Ruby Line, Pink Line, line extensions, etc.).

Applications

The new Porto Metro lines.

References

<https://www.metrodoporto.pt/pages/677>

Shape file: Porto Metro

Lecturer



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Biographical note

Associate Professor at the Faculty of Engineering of University of Porto and member of CITTA - Research Center for Territory, Transports and Environment. Teaching subjects in transportation, research methodologies and operational research in Undergraduate, Master and PhD courses. Collaboration at the Faculty of Economics of University of Porto. Degree in Civil Engineering (FEUP), Master in Transportation (IST-Lisbon), scholar part of Master in Economics (FEP-Porto) and PhD at the Loughborough University of Technology (UK).

Publication of articles in relevant journals in Transportation: Transportation Research, Transport Reviews and Journal of Air Transport Management. Consultancy in the different areas of transportation for government, international loan banks, private companies and public administration.

Experience in administration being or have been member of the boards of public and private companies and other organizations. CEO of TRENMO (mobility consultancy company), Vice-President of Porto Chamber of Commerce (ACP), member of the board of directors of Common Home of Humanity (CHH) and member of the National Monitoring Commission of the Recovery and Resilience Plan (PRR).