

# Indicator metadata: Rail passenger regional typologies

The regional typologies for each passenger transport mode are defined by grouping and then applying a K-means model. Such a model uses a predetermined number of clusters. Based on a plausibility check, the number of clusters was set to three for air passenger transport and for maritime passenger transport and set to five for rail passenger transport.

Rail passengers

Based on these six indicators, the cluster analysis for passenger transport by rail was done. Regions were grouped into five clusters. The mechanism of the cluster analysis generated one larger cluster with regions that behave below average, two clusters around average, and differentiated two clusters of regions that are for most indicators above average.

**Theme(s):** Economy, finance and trade - Population and living conditions - Transport and Accessibility - Transport and Accessibility

## Introduction

**Author:** ESPON project (<https://www.espon.eu/programme/projects/espon-2020/applied-research/interregional-relations-europe>)

**Contact(s):**

- Navarra de Suelo Y Vivienda (NASUVINSA) (Project leader)
- Xabier Velasco Echeverría (Navarra de Suelo y Vivienda, S.A. - NASUVINSA) (Point of Contact)

**Territorial information:**

Spatial Extent	Nomenclature		
	name	version	level
EU27+4EFTA+UK	NUTS	2016	2

**Years:** 2018

## Download

### File

- Data (JSON, browse webservice) (/api/public/indicator-data/2468/)
- Metadata INSPIRE (XML) (/indicator/2468/metadata-inspire.xml)
- Metadata ESPON (printable) (/indicator/2468/metadata-espon/)
- Indicator package (CSV+XLS) (ZIP 84.6 KB) (/private-media/object/2468/ind\_2468\_passr\_13\_csv\_mqkmDvp.zip)
- Indicator package (SHAPE) (ZIP 956.2 KB) (/private-media/object/2468/ind\_2468\_passr\_13\_shp.zip)
- Project package (all data of the related project) (/private-media/object/2911/project\_irie-interregional-relations-in-europe.zip)

### Right

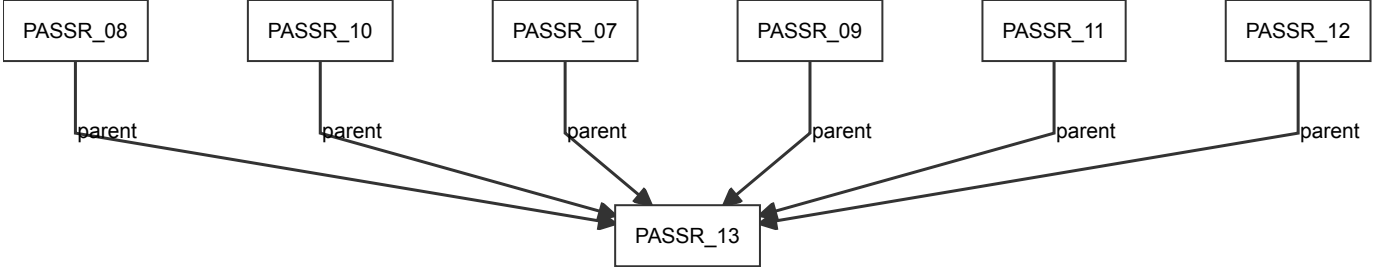
- Constraints - Access classification: unclassified (default)
- Constraints - Use constraint: copyright (default)

## Methodology

Cluster analysis

## Genealogy

Graph



## Parents

- Rail passenger regional intensity (/indicator/2472/)
- Rail passenger regional interregional balance (/indicator/2474/)
- Rail passenger regional connectivity (/indicator/2471/)
- Rail passenger regional weighted intensity (/indicator/2473/)
- Rail passenger regional network selectivity (/indicator/2475/)
- Rail passenger regional external Influence (/indicator/2476/)

## Child

None!

## Other attributes

<b>Id:</b>	2468
<b>Status:</b>	Key indicator
<b>Name:</b>	Rail passenger regional typologies
<b>Code:</b>	PASSR_13
<b>Is standard?:</b>	True
<b>Is base indicator?:</b>	False
<b>Type:</b>	Single
<b>Data type:</b>	Text
<b>Unit of measure -</b>	None
<b>Numerator / Denominator</b>	
<b>Name:</b>	
<b>Unit of measure -</b>	1
<b>Numerator / Denominator</b>	
<b>Scale:</b>	
<b>Is a ranking?:</b>	False
<b>Main Theme:</b>	Economy, finance and trade - Population and living conditions - Transport and Accessibility - Transport and Accessibility
<b>Nature type:</b>	Typology
<b>Labels:</b>	None

