

JOURMIS ORKSHOP



EUROPEAN TRAVEL COMMISSION





Part II Analysis and Reporting Features

Austrian National Tourist Office www.tourmis.info



18th TourMIS Workshop September 7, 2023

Analysis and Reporting Features

1. Examples and new tables & features

- 1. Basic analysis
- 2. Longitudinal analysis
- 3. Benchmarking
- 2. Measuring seasonality
- 3. The Connectivity of Railroads in Europe

14:45 coffee break

Measuring seasonality in European destinations

Causes of seasonality in tourism

- Seasonality: The systematic intra-year variation in visitation caused by exogenous factors
 - Natural (e.g. climate)
 - Institutional
 - caused by the markets of origin (e.g. timing of school holidays)
 - caused by the destination (e.g. regular mega-events)
 - Calendar effects (e.g. Easter)

Challenges

- The need to optimize the use of tourism infrastructure such as roads to accommodate high flows during certain periods
- Seasonality increases the risk of high unemployment during the low seasons
- In dryer regions the issue of water scarcity is of particular concern

Actions to overcome seasonality

• Product

Development of new offers, events, packages, ...

• Pricing

Providing discounts for periods with less demand

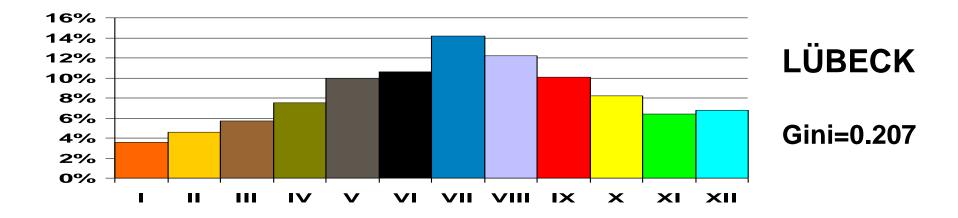
Promotion

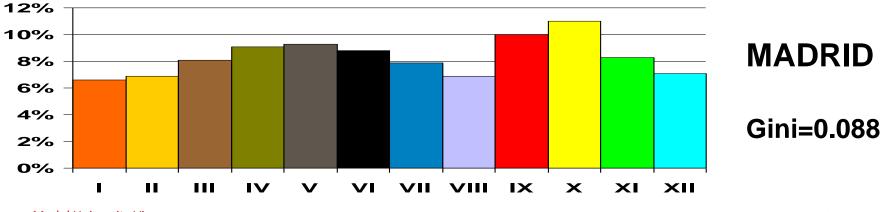
When and how intensively we will promote the tourism products

• Placement

Which geographic region/market should be promoted Which segments (e.g. young adults, families, business people)

Gini coefficient

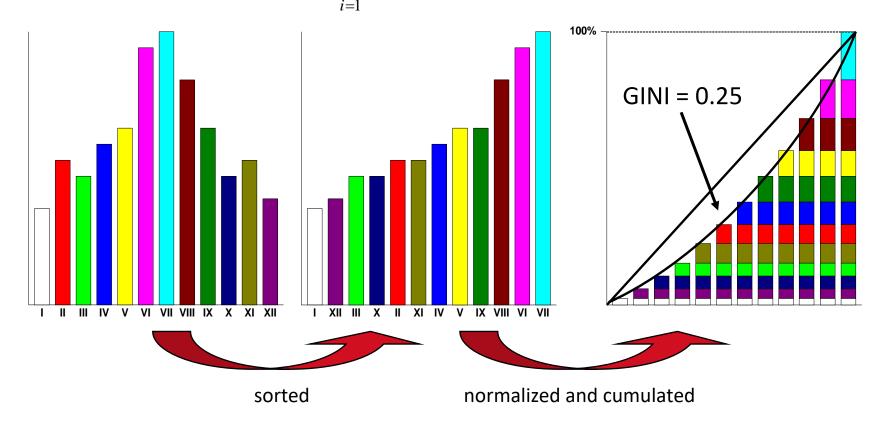




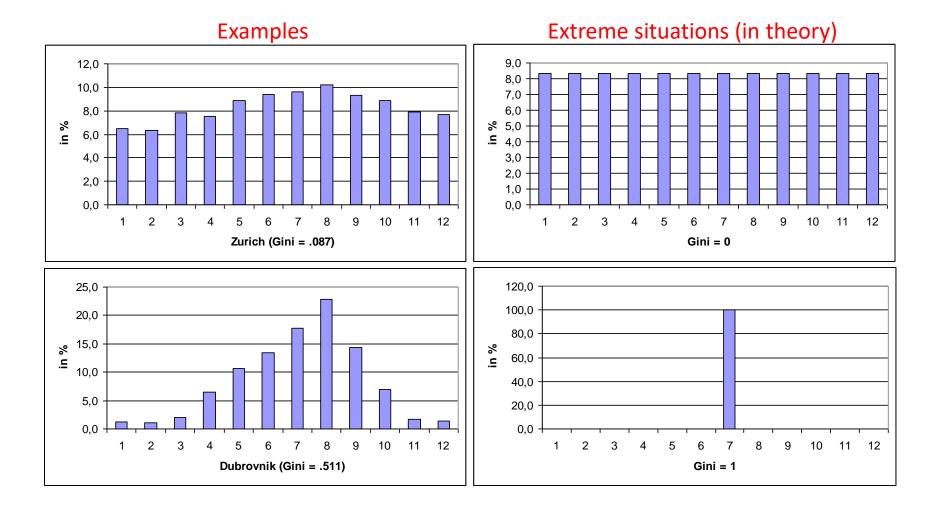
Modul University Vienna

Gini coefficient

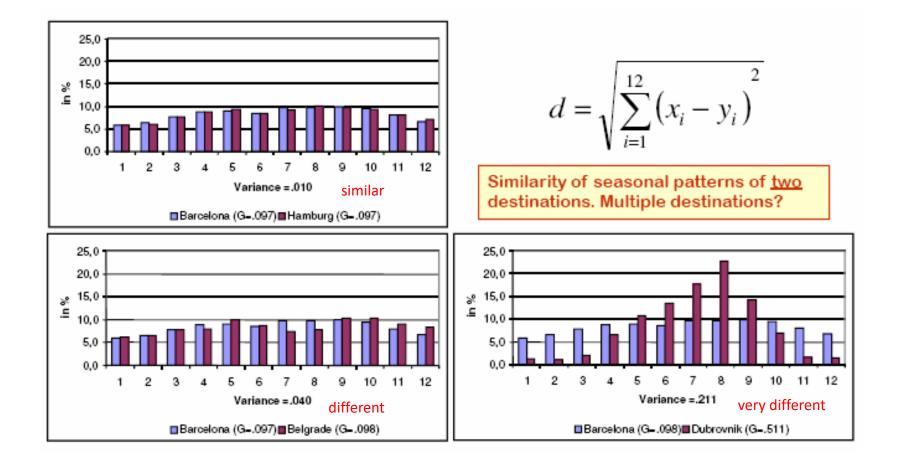
Measure of statistical dispersion. The Gini can be approximated with trapezoids: $G^* = 1 - \sum_{i=1}^{12} (X_i - X_{i-1}) \times (Y_i + Y_{i-1})$



Measuring seasonality



Similarity of seasonal patterns



The connectivity of railroads in Europe

Working Group Members

Magnus Hessbo, Visit Stockholm Lone Alletorp Callard, Wonderful Copenhagen Alba Lajusticia, Barcelona Tourism Sophia Quint, Visit Berlin Petra Tschöll, Vienna Tourism Board Pauline Froger, CityDNA Karl Woeber, Modul University Vienna Jason Stienmetz, Modul University Vienna Bozana Zekan, Modul University Vienna Kimberley Marr, Modul University Vienna



WONDERFUĽ COPENHAGEN



CITY DESTINATIONS ALLIANCE



The Capital of Scandinavia

Berlin

Travel by rail gaining importance

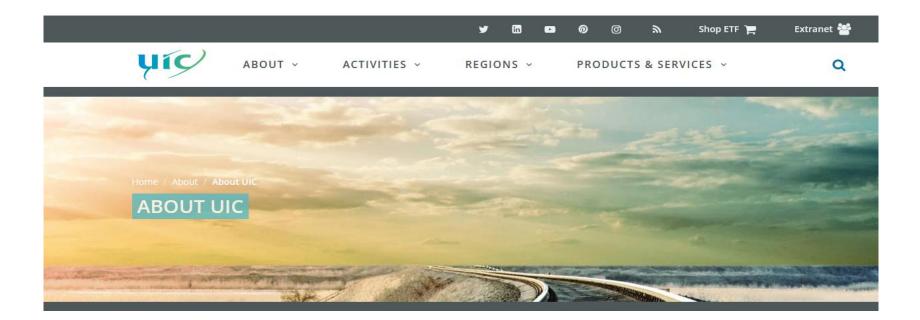
- 2021 "European Year of Rail" EU Action Plan
- 2022 "DiscoverEU" campaign (European Year of Youth)
- Sustainability: for efficient and green mobility
- Post COVID-19: relaunching transport and tourism
- New Train Routes: EU connectivity initiatives
- Intermodal integration & Digitalisation

Rail still only represents 8% total travel within EU (measured in passenger km) EC Action plan: double rail traffic by 2030, triple by 2050

Eurostat (2020) People on the move: Statistics on Mobility in Europe. 2020 edition.

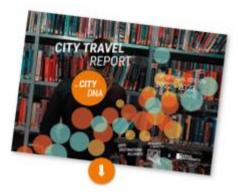
Travel by Rail

- Measuring the tourism share of rail travel is difficult
- Replacement: Measurement of connectivity quality of rail connections between tourism destinations and major markets in Europe
- International Union of Railways MERITS database



The Connectivity of Railroads in Europe

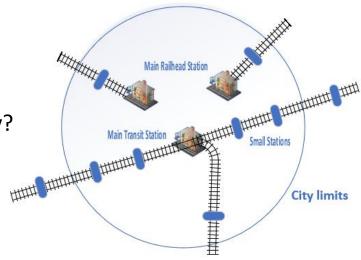
- Acquisition of the MERITS database (all 2021 timetables) by CityDNA
- Review of the data material (completeness, information content)
- Data uploaded to TourMIS
- Aim: Analysis of direct connections between the most important European cities
 - Direct and indirect connections between (CityDNA) cities
 - Number of (international) trains
 - Average speed
- Reporting in the latest edition of the City Travel Report by CityDNA



The MERITS Database 2021

Big and complex data set

- Number of railway companies: 1,534
 - 195 (12.7%) providers of passenger services
- Number of trains: 639,389
- Number of departures: 8.7mn
- Number of stations: 24,001
- Which station belong to a particular city?
- Main train stations?



Seven reports in TourMIS

- 1. List of stations
- 2. Information on specific trains
- 3. Stations in cities
- 4. Arriving and departing trains by stations
- 5. Arriving and departing trains by city
- 6. Direct connections between cities
- 7. Direct connections between cities and markets

White paper (Manual) on who to use and interpret the Merits database on TourMIS