

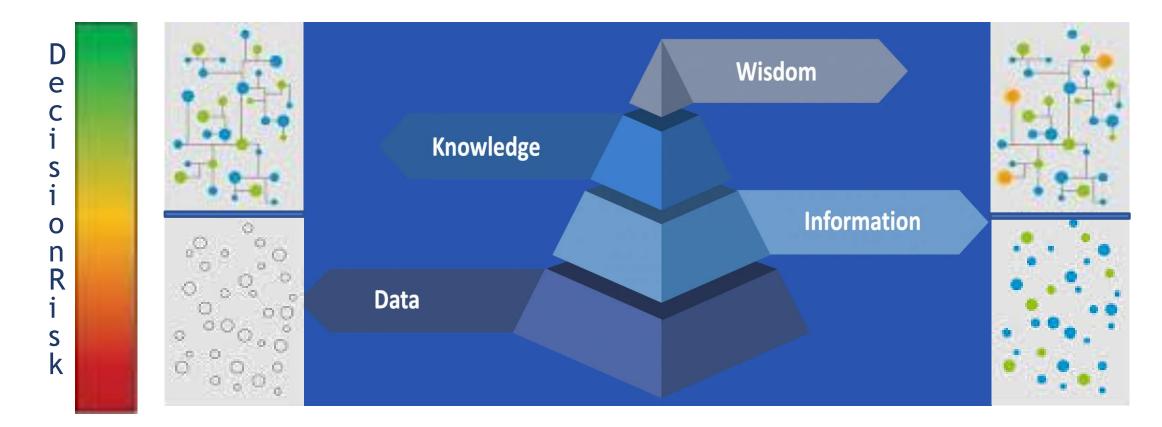
Analysis and Visualization of tourism data

George Petrakos Professor, Panteion University Director General, Research Institute for Tourism

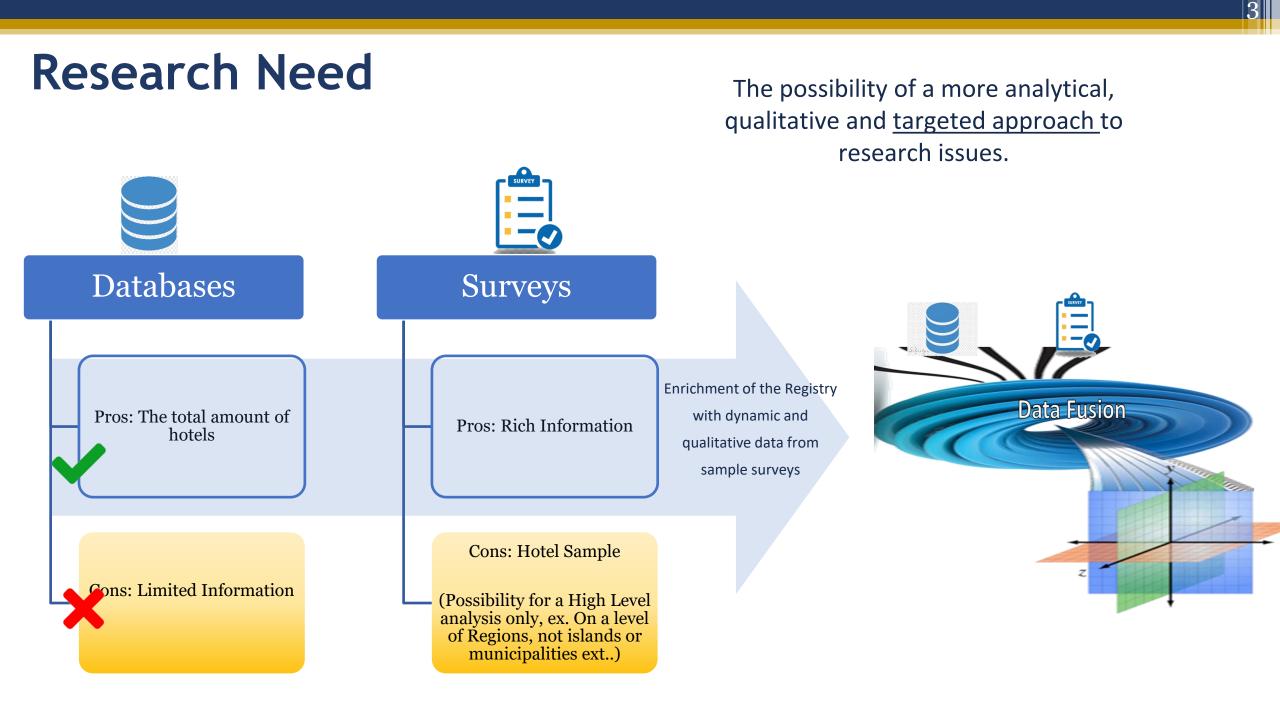




From Data to Knowledge ...





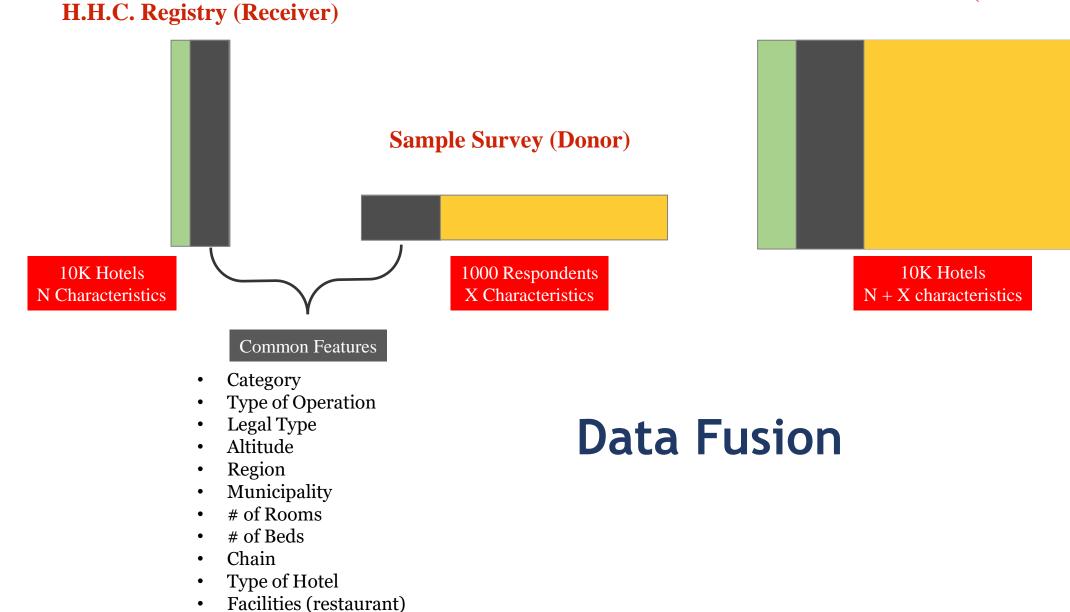


Data Fusion

CASE STUDY: The enrichment of the H.C.H. Registry (10k Hotels) with dynamic indicators from the data of the Annual Survey of RIT.

OBJECTIVE: The estimation of the main characteristics of the Greek Hotel Sector based on specific sub-populations that cannot be determined by the sample survey.

Fused Data Archive (Fused Data)



Annual Sample Survey Sample: 691 hotels

A	Turnover
A1	% by Overnight Stays

- A2 % F&B
- A3 % Conferences- Events
- A4 % Other
- Turnover/ Room A5
- A6 Employment Expenditure / Turnover В

Employees

- Β1 May
- B2 August
- B3 # Employees/ Room
- Β4 Demand/ Job Position
- B5 **#** Tourist Graduates

С Employment Expenditure

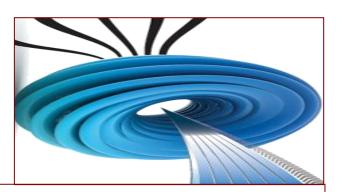
C1 Total

D

- C2 Direct
- C3 Indirect
- C4 **Employment Expenditure/ Room**

Investments & Sustainability

- Annual Investment Expenditure D1
- D2 Investment Expenditure/ Turnover
- D3 % Sustainability Expenditure
- Е **Booking Channels**
- E1 % OTAs
- E2 % Hotel Website
- E3 % Tour Operator
- F. Avarage Room Rate
- F1 May
- F2 August
- F3 October G
 - **Occupancy Rate**
- G1 May
- G2 August
- G3 October



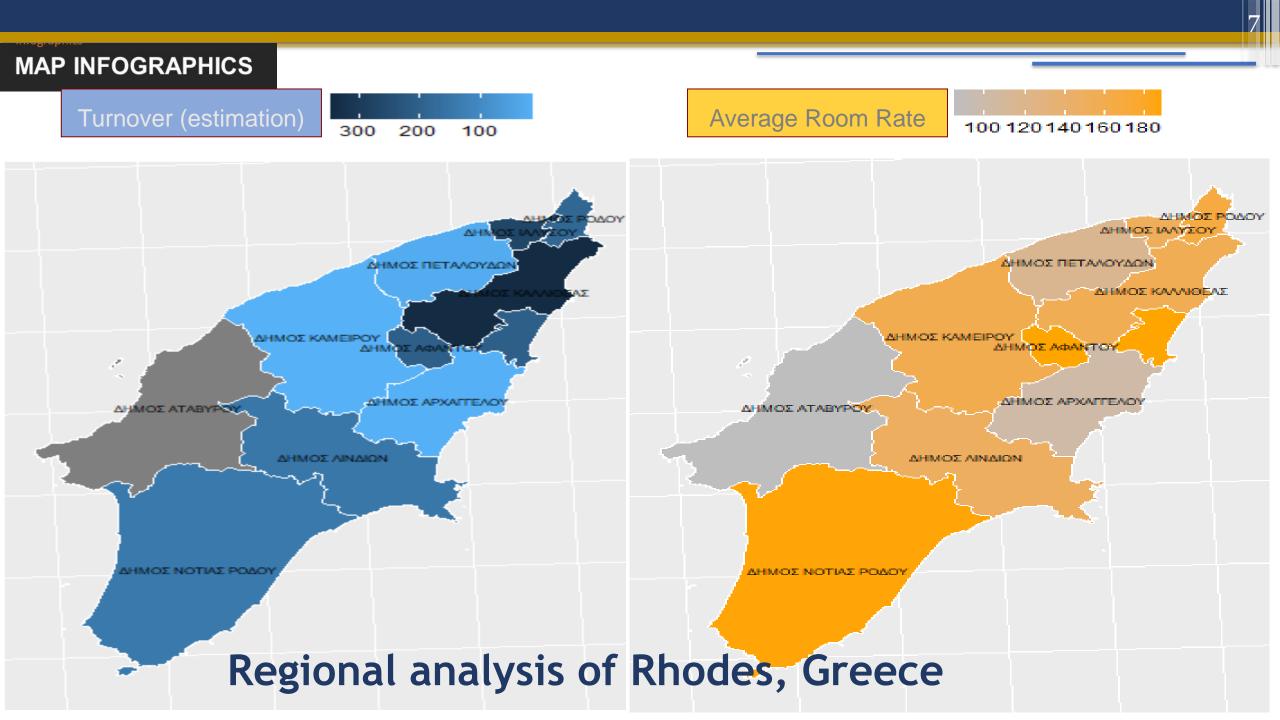
Common connection characteristics

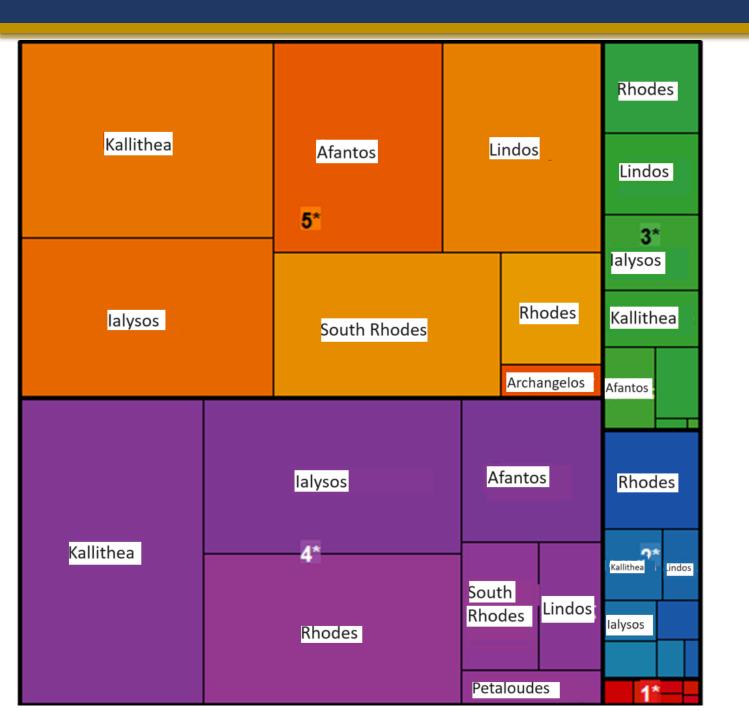
- Category (*)
- Type of Operation 2.
- 3. # of Rooms
- Altitude 4.
- Legal Type 5.
- Region 6.
- **Tourist Zone**
- Municipality 8.
- # of Beds 9.
- Chain 10.
- 11. Facilities (e.g. swimming pool)



The linked records show an average Similarity Index of 86.2% (+-7%)

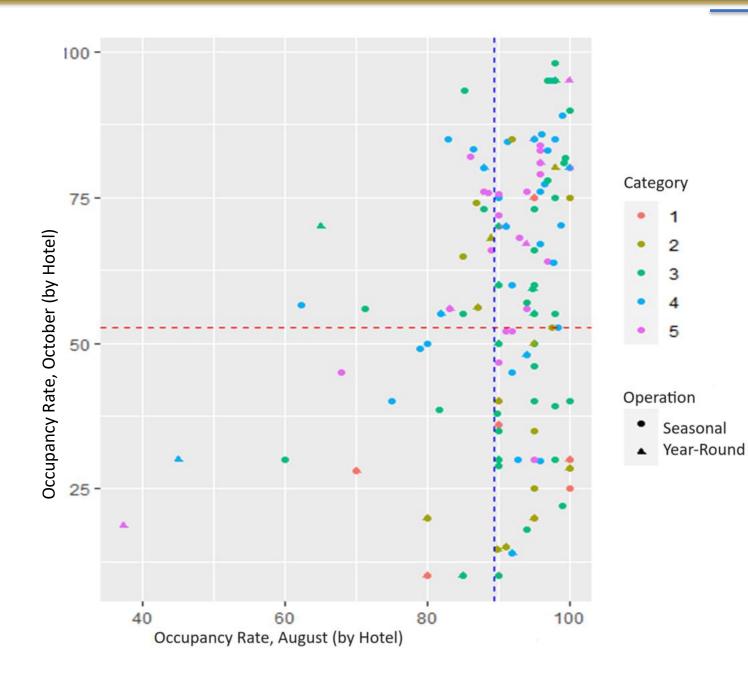
Each record from the sample survey was "matched" with approximately 11 records in the registry.





Labour force distribution (category*region)

Apart from the regions, there is the possibility of analyzing & correlating indicators based on qualitative criteria (e.g. category and type of hotel operation)



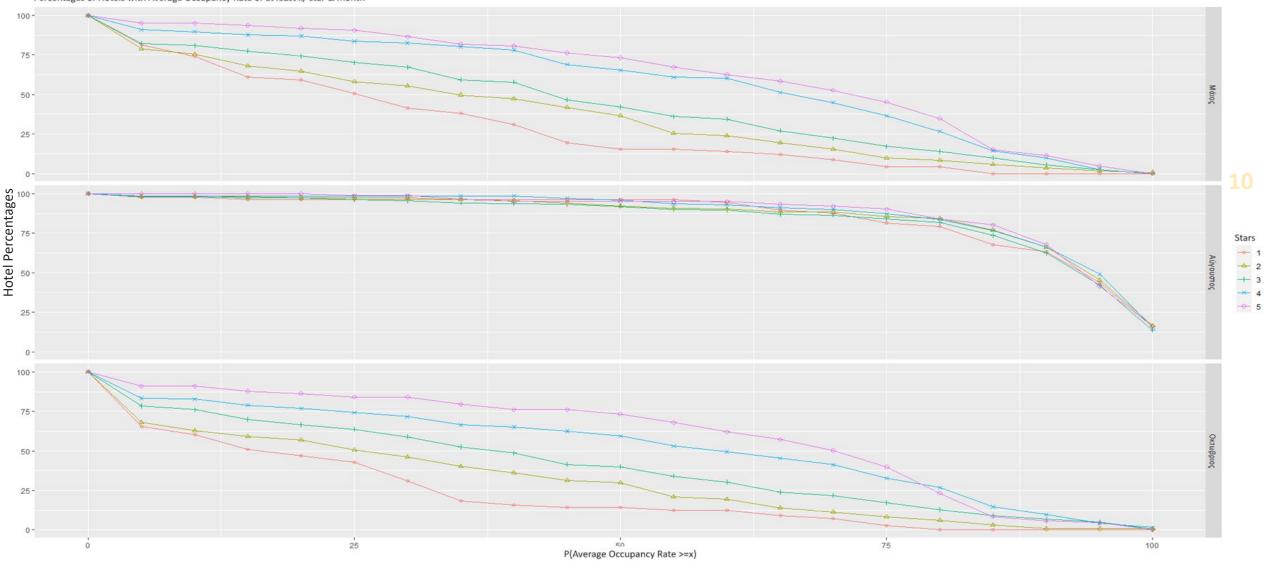
Occupancy Rate Correlation August - October. (Category*Operation)

9

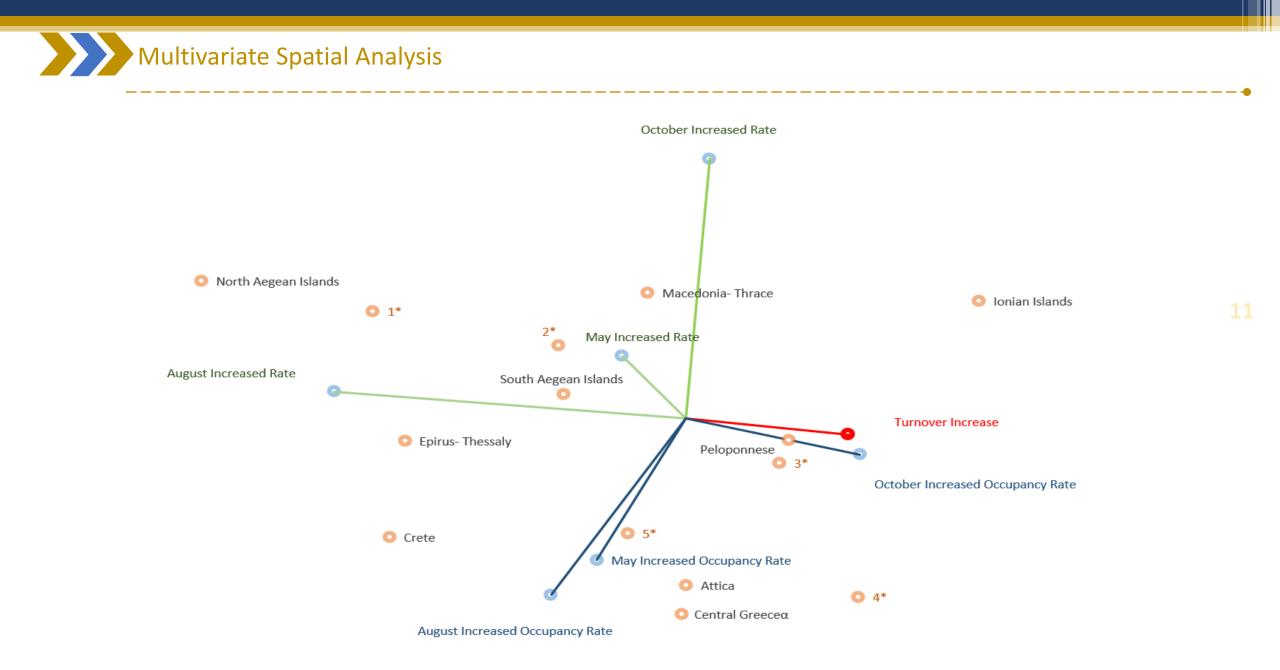
Distribution Chart of Hotel Occupancy Rate by category & month



Percentages of Hotels with Average Occupancy Rate of at least x/ star & month

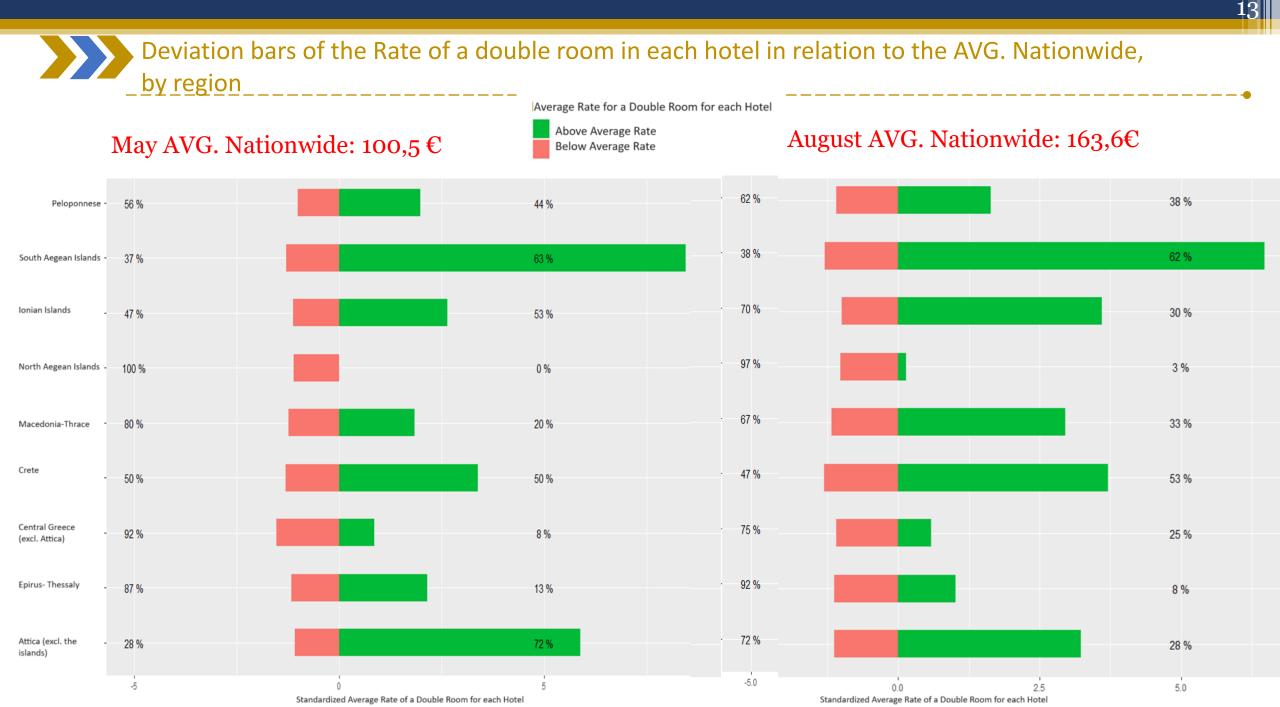


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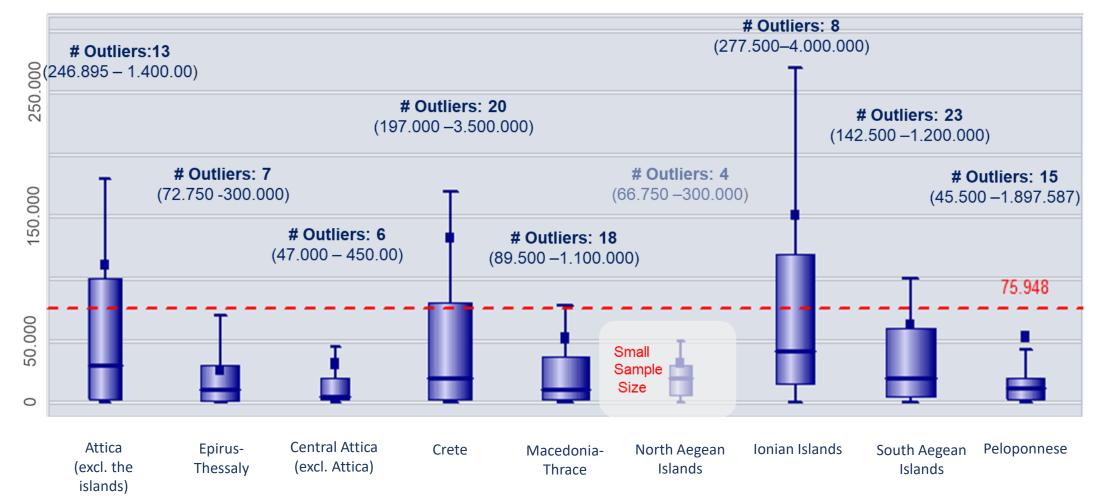




Standardized Annual Turnover Rate



Characteristics of Investment Distribution by Region, 2023



Annual Investments in €

Region





