

Exercise on data warehouse design

Problem specifications

Design a data warehouse to manage the property rent adverts of the website www.SearchingYourHouse.com. It allows searching all the Italian cities to find rentals. People or agencies can publish property rent adverts on the website, specifying the property characteristics: city area (district), type of property (penthouse, attic, detached house, terraced house, etc.), monthly rent price, surface (number of square meters), number of beds.

The website company wants to analyze the Italian rental situation. The analysis parameters are the number of available properties to rent and the rent price. These parameters must be available for each

- month, 2-month period, trimester, 4-month period, semester, and year;
- city area (district), city, province, region, country area (Northern, Central, Southern Italy);
- presence of a university in the city;
- the range of the property surface (0-50 m², 50-100 m², etc.)
- type of property
- number of beds