### EXERCISE: DESIGN LOGICAL SCHEMA!

Name Domestic Category GroupCountry ○ Country Region Year Q Trip City Destination Month Journey Day Date PlaceType Duration Name Guide Revenue Country **Tourist** City C AgeBand Country 🔿 DFM SCHEMA

#### STAR SCHEMA

DW: Data Models, A. Albano



UNIVERSITÀ DI PISA

# TRAVEL AGENCY: SOLVE BUSINESS QUESTIONS WITH SQL



Università di Pisa

#### The travel agency is interested in a DM for analyzing the travel behavior of tourists.

- 1. Total number of tourists and average trip duration for Florence, **by** age band
- 2. Total number of tourists for domestic trips, by age band, by country.
- 3. Total number of tourists, by trip name and category, by group country (alternative: age band, guide, country).
- Average trip revenue for tourists of a trip category level 1 in Toscana, by type of destination, and by year.
- 5. Number of trips by place type, by month, and by guide country.

SQL QUERIES ON STAR SCHEMA

### ADDITIONAL REQUIREMENTS



- 6. Total revenue by distinct tourist
- 7. Total number of distinct tourists by year.

## SQL QUERIES ON (MODIFIED) STAR SCHEMA

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