EXERCISE: DESIGN LOGICAL SCHEMA (PREVIOUS LESSON)

DFM SCHEMA

STAR SCHEMA

DW: Data Models, A. Albano
6. Total revenue by distinct tourist

7. Total number of distinct tourists by year.

```
SELECT InitialTouristFK, SUM(Qty*Price) AS TotalRevenue
FROM Journeys
GROUP BY InitialTouristFK

SELECT Year, COUNT(DISTINCT InitialTouristFK) AS NDistinctTourists
FROM Journeys, Date
WHERE DateFK = DatePK
GROUP BY Year
```
8. Total revenue by tourist age

9. Total revenue by guide’s years of service

SQL QUERIES ON (MODIFIED) STAR SCHEMA
EXERCISE: REVISE CONCEPTUAL & LOGICAL SCHEMATA!

DFM SCHEMA

STAR SCHEMA
10. Revise design: a trip can stop at one or more destinations.

1. Total number of tourists and average trip duration for Florence, by age band

4. 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 (MODIFIED) STAR SCHEMA
EXERCISE: REVISE CONCEPTUAL & LOGICAL SCHEMATA!

DFM SCHEMA

STAR SCHEMA