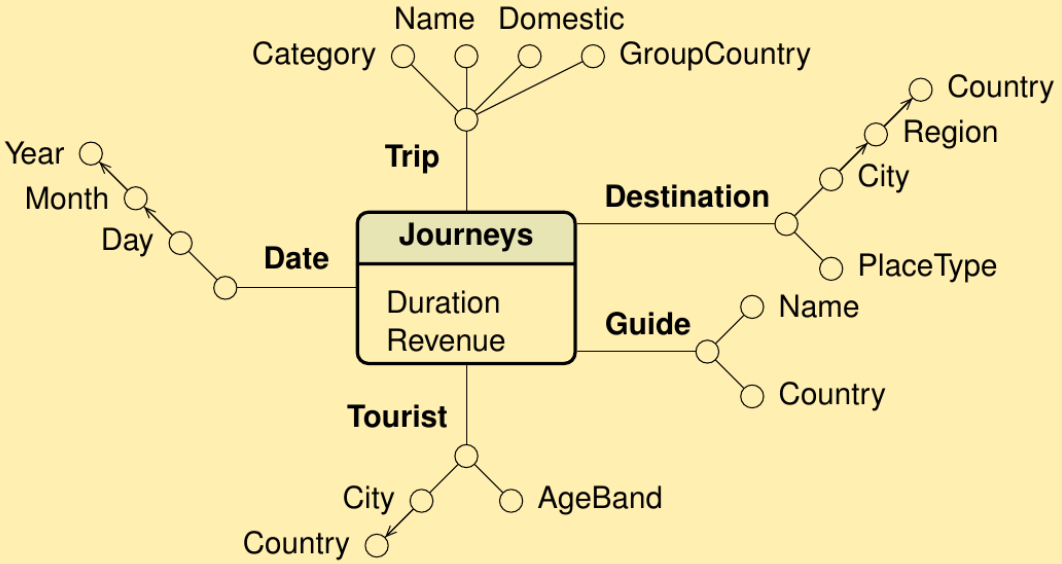
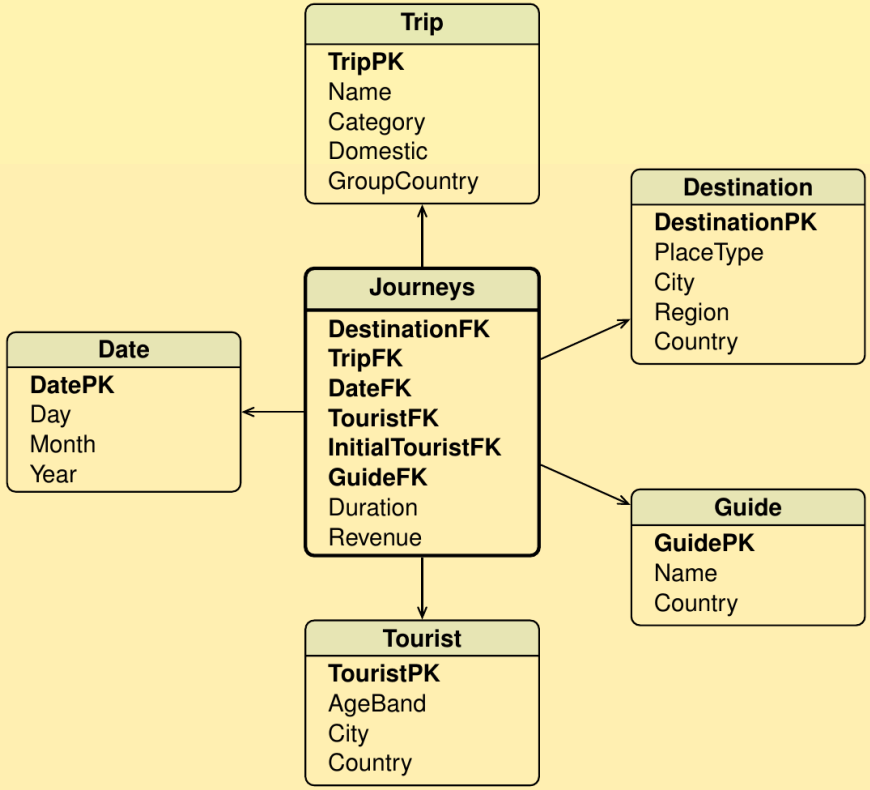
EXERCISE: DESIGN LOGICAL SCHEMA (PREVIOUS LESSON)



DFM SCHEMA



STAR SCHEMA

ADDITIONAL REQUIREMENTS (PREVIOUS LESSON)

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
```

ADDITIONAL REQUIREMENTS (TODAY)

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!

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STAR SCHEMA

ADDITIONAL REQUIREMENTS (TODAY)

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!

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STAR SCHEMA