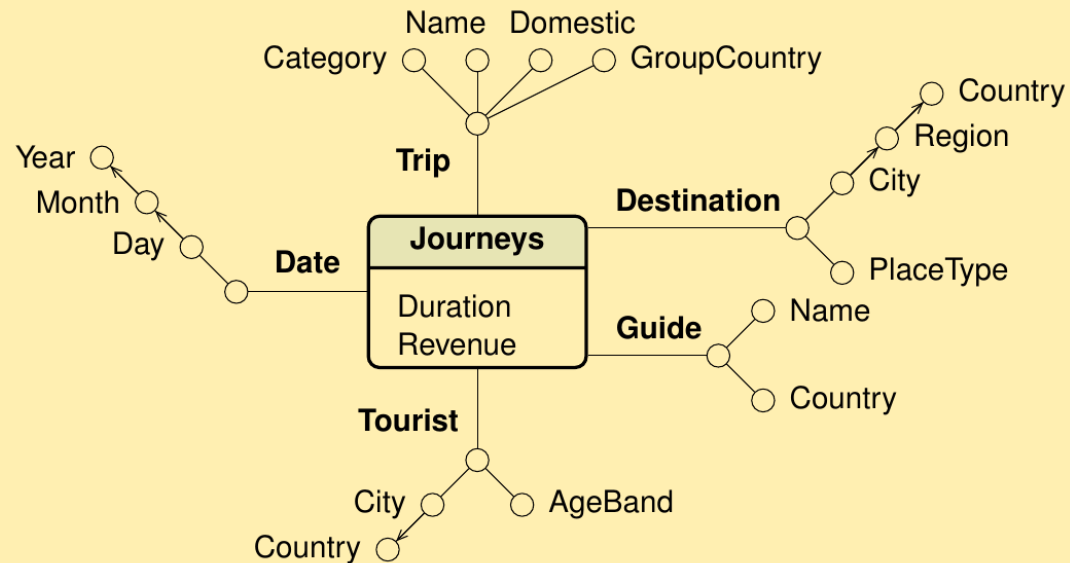


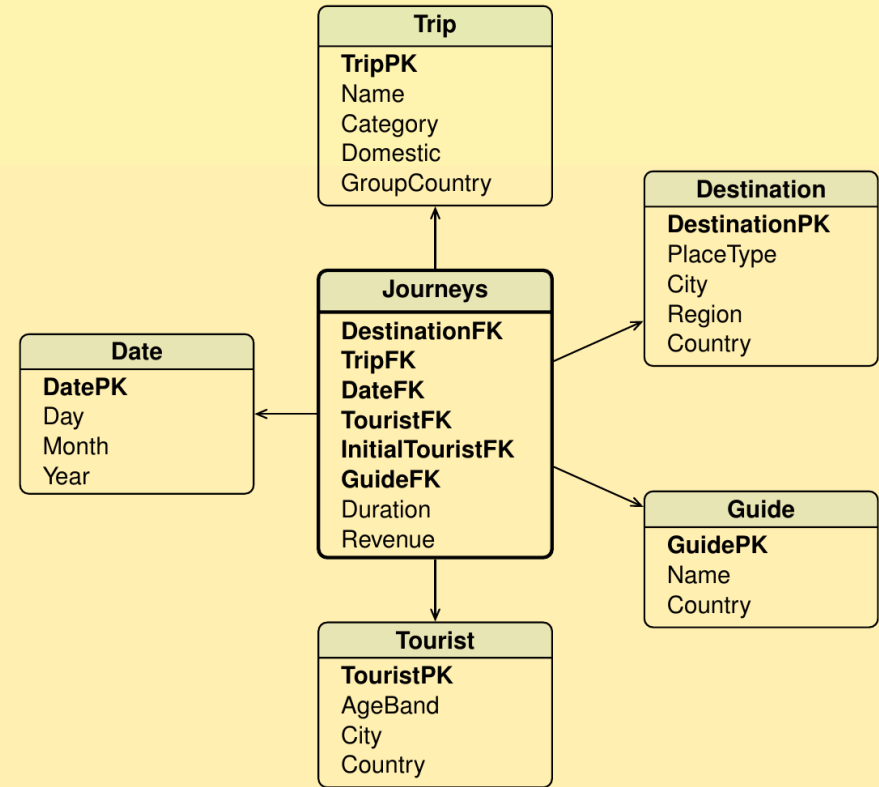
# EXERCISE: DESIGN LOGICAL SCHEMA (PREVIOUS LESSON)



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**STAR SCHEMA**

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

```
SELECT InitialTouristFK, SUM(Revenue) 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!



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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**