**Challenge: Sentiment Analysis of Hotel Reviews**

This dbt+Cortex challenge uses the LABEL\_SENTIMENT function from Snowflake Cortex to classify customer reviews by category-level sentiment. Participants will load CSV data into seeds and build two models:

**🎯 Attendee Instructions**

**🧪 Objective**

Classify customer hotel reviews into predefined service categories and extract the per-category sentiment.

**📁 Provided**

* hotel\_reviews.csv
* review\_categories.csv
* seeds/ folder is already configured with the corresponding schema.yml

**✅ Tasks**

1. Load both CSV files as seeds
2. Create model classified\_sentiments.sql:Use LABEL\_SENTIMENT() to extract entity sentiments.
3. Create model parsed\_entity\_sentiments.sql:  
   Flatten the entity\_sentiments:categories array to extract each sentiment.

**🧾 Deliverables**

* classified\_sentiments model with entity\_sentiments output
* parsed\_entity\_sentiments model with one row per review/category sentiment
* output :  
  A screenshot of a computer

  AI-generated content may be incorrect.

**🧑‍🏫 Booth Helper Guide**

**✅ Verified Seed Files**

* seeds/hotel\_reviews.csv
* seeds/review\_categories.csv

**✅ schema.yml**

A screenshot of a computer program

AI-generated content may be incorrect.**✅ Model 1: classified\_sentiments.sql**

A computer screen with text and images

AI-generated content may be incorrect.**✅ Model 2: parsed\_entity\_sentiments.sql**

A screen shot of a computer code

AI-generated content may be incorrect.**🧪 Test Case Example**

A black screen with white text

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