### Sentiment Analysis Prompts for Hotel Reviews

These are prompt engineering techniques for sentiment analysis on OpenAI's language models, the techniques covered are Direct Prompting, Zero-shot Learning, Few-shot Learning, Chain-of-Thought Prompting, and Instruction-based Prompts.

#### 1. ****Direct Prompting****

**Example:** Analyze the sentiment of the following hotel review: 'I absolutely loved my stay at this hotel! The room was clean, and the staff were so friendly and accommodating!

**Response:** The sentiment of the review is highly positive. The reviewer expresses strong satisfaction with their stay, using phrases like "absolutely loved" and highlighting the cleanliness of the room and the friendliness of the staff. The use of words like "friendly" and "accommodating" further emphasizes the positive experience.

#### 2. ****Zero-shot Learning****

**Example:** Classify the sentiment of the following hotel review as either 'Positive,' 'Negative,' or 'Neutral': 'The hotel was dirty, and the staff was rude. I will never come back.

**Response:** The sentiment of the review is **Negative**. The reviewer expresses dissatisfaction by describing the hotel as "dirty" and the staff as "rude," and concludes with "I will never come back," indicating a negative experience.

#### 3. ****Few-shot Learning****

**Example:** Classify the sentiment of the following hotel reviews as either 'Positive,' 'Negative,' or 'Neutral.'

1. 'The hotel was spotless, and the location was perfect!' → Positive
2. 'The room was small, and the amenities were lacking.' → Negative
3. 'The hotel had a decent breakfast, but nothing special.' → Neutral

Now, classify the sentiment of: 'I had a great time at the hotel, the pool was amazing, and the view was beautiful!

**Response:** The sentiment of the review is **Positive**. The reviewer mentions having a "great time," describes the pool as "amazing," and the view as "beautiful," all of which indicate a positive experience.

#### 4. ****Chain-of-Thought Prompting****

**Example:** First, analyze the hotel review, then provide a sentiment classification. Review: 'The room was okay, but the air conditioning didn't work well, and the bathroom was not clean.'

* Is there any negativity or positivity in the review?
* What emotional tone does this convey?

Now, classify the sentiment:

**Response:**

**Analysis:**

* **Negativity or Positivity:** The review contains both neutral and negative aspects. The phrase "okay" is neutral, but "air conditioning didn't work well" and "bathroom was not clean" express dissatisfaction.
* **Emotional Tone:** The tone conveys frustration and disappointment due to the poor maintenance of essential hotel facilities.

**Sentiment Classification:** Negative.

#### 5. ****Instruction-based Prompts****

**Example:** Task: Determine if the following hotel review expresses a positive, negative, or neutral sentiment. Output only the classification. Review: 'The hotel was fine, but the check-in process took way too long and the staff was unhelpful.

**Response:** Neutral

#### 6. ****Context-Based Sentiment Analysis****

**Example:** Classify the sentiment of the hotel review below. Be mindful of the context — the guest had a generally bad experience but was pleased with the location of the hotel: 'The hotel was in a great location, but the service was terrible, the room was dirty, and the staff was unfriendly.

**Response:** Negative