| **Value** | **Price Range** | **Description** |
| --- | --- | --- |
| 1 | **$** | Inexpensive. Meals are typically under $10 per person. |
| 2 | **$$** | Moderate. Meals cost between 10and10*and*25 per person. |
| 3 | **$$$** | Expensive. Meals cost between 25and25*and*45 per person. |
| 4 | **$$$$** | Very Expensive. Meals cost over $45 per person. |

Cluster 0 (Color: Red)

Characteristics:

Location: Spread across multiple regions.

Price: Moderate (e.g., average price range of 2.5).

Noise Level: Moderate (e.g., average noise level of 1.0).

Ratings: High (e.g., average stars of 4.5).

Family-Friendly: Yes (e.g., attributes\_GoodForKids = 1).

What it represents:

High-quality, moderately priced restaurants suitable for families.

Cluster 1 (Color: Blue)

Characteristics:

Location: Concentrated in specific areas (e.g., tourist hotspots).

Price: Low (e.g., average price range of 1.5).

Noise Level: High (e.g., average noise level of 2.5).

Ratings: Moderate (e.g., average stars of 3.8).

Family-Friendly: No (e.g., attributes\_GoodForKids = 0).

What it represents:

Affordable, busy restaurants in tourist areas—great for groups but not ideal for families.

Cluster 2 (Color: Green)

Characteristics:

Location: Spread evenly across the map.

Price: High (e.g., average price range of 3.5).

Noise Level: Low (e.g., average noise level of 0.5).

Ratings: Very high (e.g., average stars of 4.8).

Family-Friendly: Yes (e.g., attributes\_GoodForKids = 1).

What it represents:

Upscale, quiet restaurants with excellent ratings—ideal for special occasions or calm dining.

Cluster 3 (Color: Purple)

Characteristics:

Location: Concentrated in urban areas.

Price: Moderate (e.g., average price range of 2.0).

Noise Level: Moderate (e.g., average noise level of 1.5).

Ratings: High (e.g., average stars of 4.2).

Family-Friendly: No (e.g., attributes\_GoodForKids = 0).

What it represents:

Trendy, mid-range restaurants in cities—great for groups and social outings.

Cluster 4 (Color: Orange)

Characteristics:

Location: Spread across suburban areas.

Price: Low (e.g., average price range of 1.0).

Noise Level: Very low (e.g., average noise level of 0.0).

Ratings: Moderate (e.g., average stars of 3.5).

Family-Friendly: Yes (e.g., attributes\_GoodForKids = 1).

What it represents:

Budget-friendly, quiet restaurants in suburban areas—perfect for families and casual dining.

Map Visualization 🗺️

Colors:

Red: Cluster 0 (High-quality, family-friendly).

Blue: Cluster 1 (Affordable, tourist-friendly).

Green: Cluster 2 (Upscale, quiet).

Purple: Cluster 3 (Trendy, urban).

Orange: Cluster 4 (Budget-friendly, suburban).