**Cluster 1: Balanced Mid-to-High Score Distribution**

Cities

* Jakarta
* Manila
* Seoul
* Netherlands

Reasoning

* These cities have bell-shaped distributions, with TotalScores concentrated between 5 and 8.
* There is no extreme skewness; distributions are more symmetrical, showing balanced performance.

**Cluster 2: High Score Concentration**

Cities

* Tokyo
* Mexico City
* Istanbul

Reasoning

* Distributions are sharply peaked, typically near higher scores (7-8).
* Tokyo shows extreme concentration near 8, while Mexico City and Istanbul have similar narrow distributions but slightly wider tails.
* Indicates top-heavy scoring, where most data points score very high.

**Cluster 3: Mid-Range Multimodal Distributions**

Cities

* Sydney
* Sao Paulo
* Karachi

Reasoning

* Distributions show multiple peaks, mostly around 5-7.
* Sydney and Sao Paulo are more spread out with slight skewness, while Karachi exhibits sharp peaks, but all show varied mid-range scoring.
* These patterns suggest diverse performance within these cities.

**Cluster 4: Low to Mid-Score Dominance**

Cities

* Shanghai
* Bangkok
* Beijing
* Lagos

Reasoning

* These cities show left-skewed distributions, with peaks at low or mid-range scores (2-6).
* Bangkok and Shanghai show concentration in lower scores, while Beijing and Lagos show gradual increases, but scores are not typically high.
* Suggests lower performance levels compared to the other cities.

**Group Summary**

| Cluster | Cities | Description |
| --- | --- | --- |
| Cluster 1 | Jakarta, Manila, Seoul, Netherlands | Balanced mid-to-high scoring, bell-shaped distributions |
| Cluster 2 | Tokyo, Mexico City, Istanbul | High scoring concentration, sharp peaks near top scores |
| Cluster 3 | Sydney, Sao Paulo, Karachi | Multi-peaked, mid-range scoring distributions |
| Cluster 4 | Shanghai, Bangkok, Beijing, Lagos | Low-mid scoring dominance, left-skewed distributions |