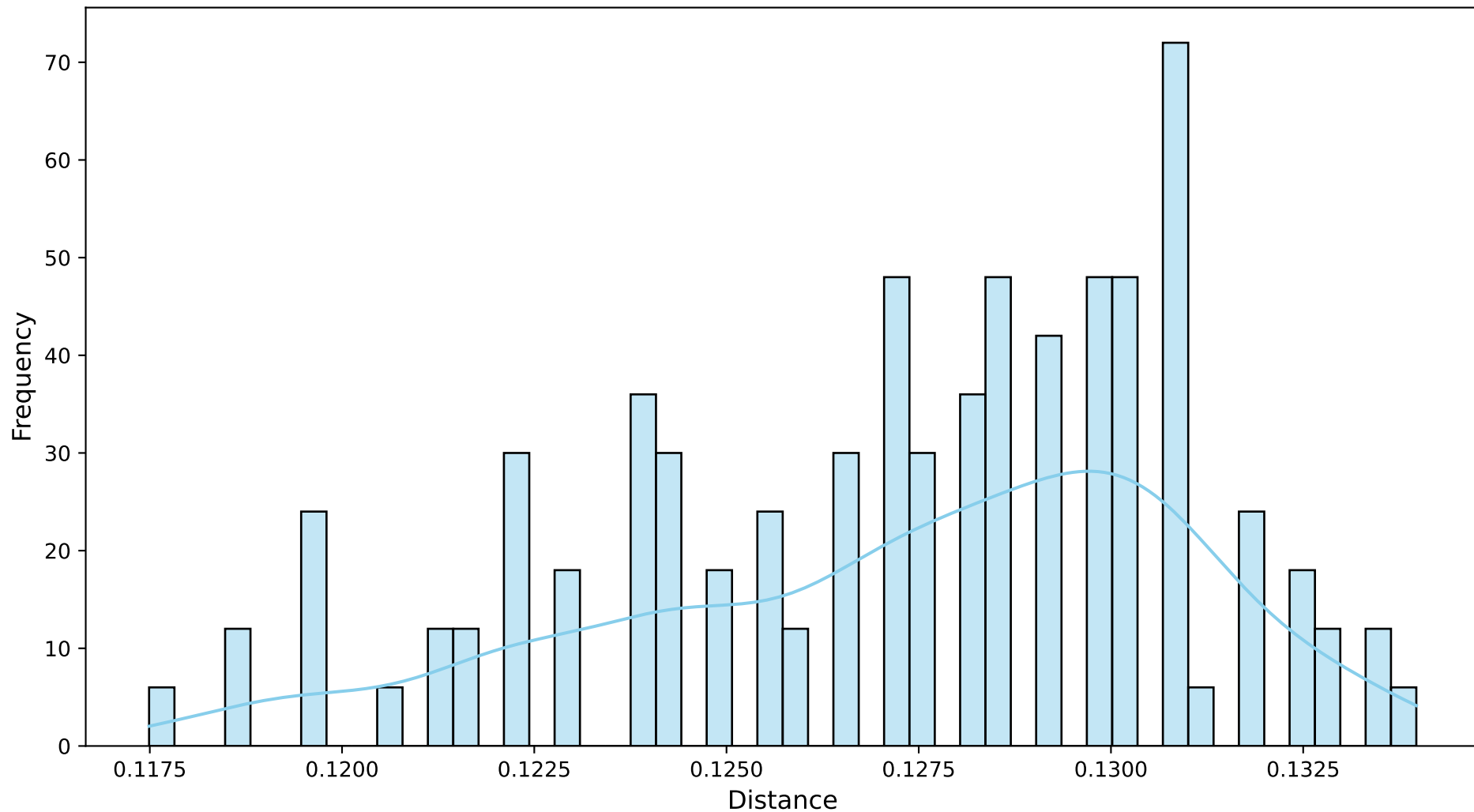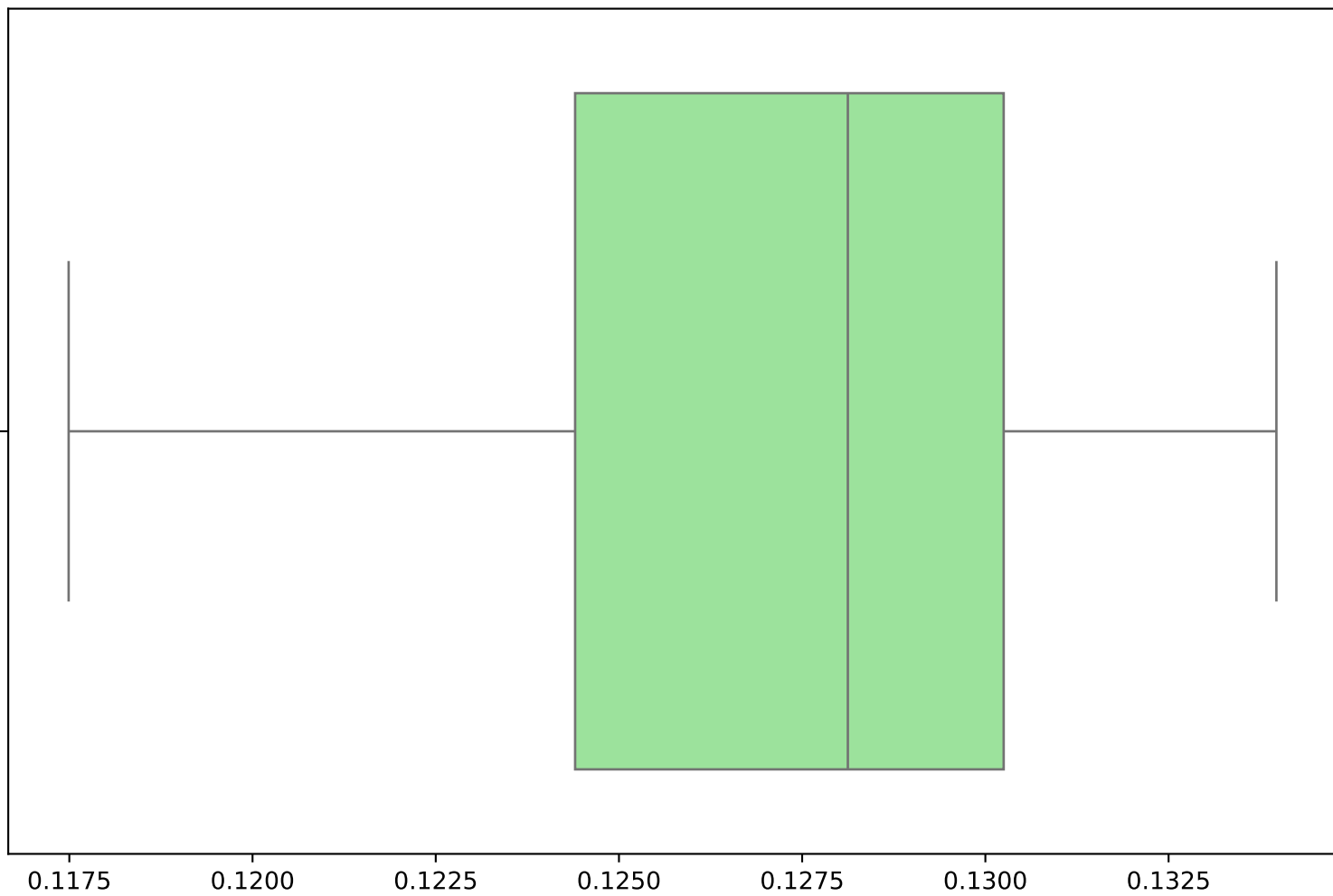Distribution of Distances Across Permutations

Histogram showing how distances vary across all permutations.
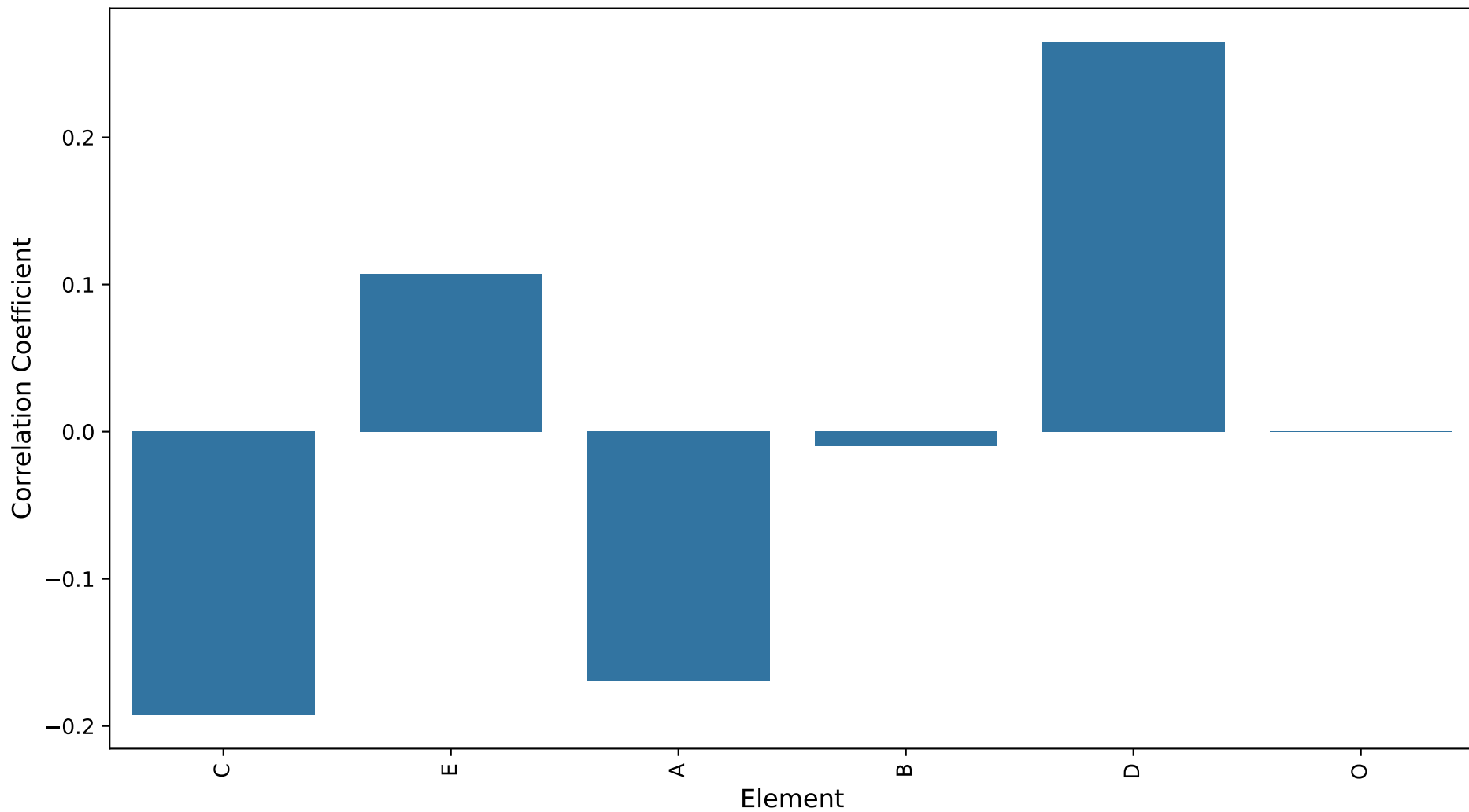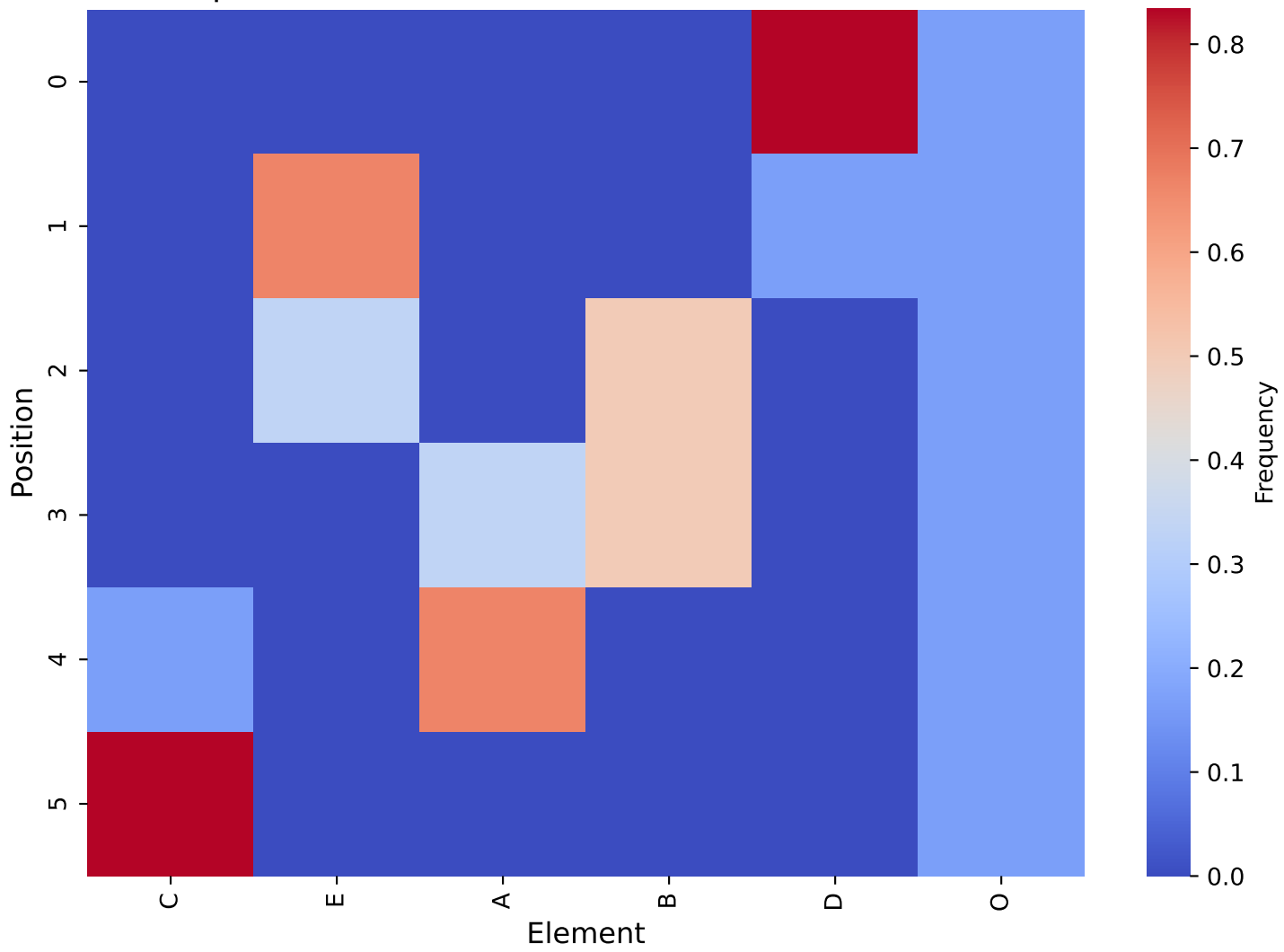
Summary Statistics of Distances

Boxplot illustrating the central tendency and dispersion of distances.
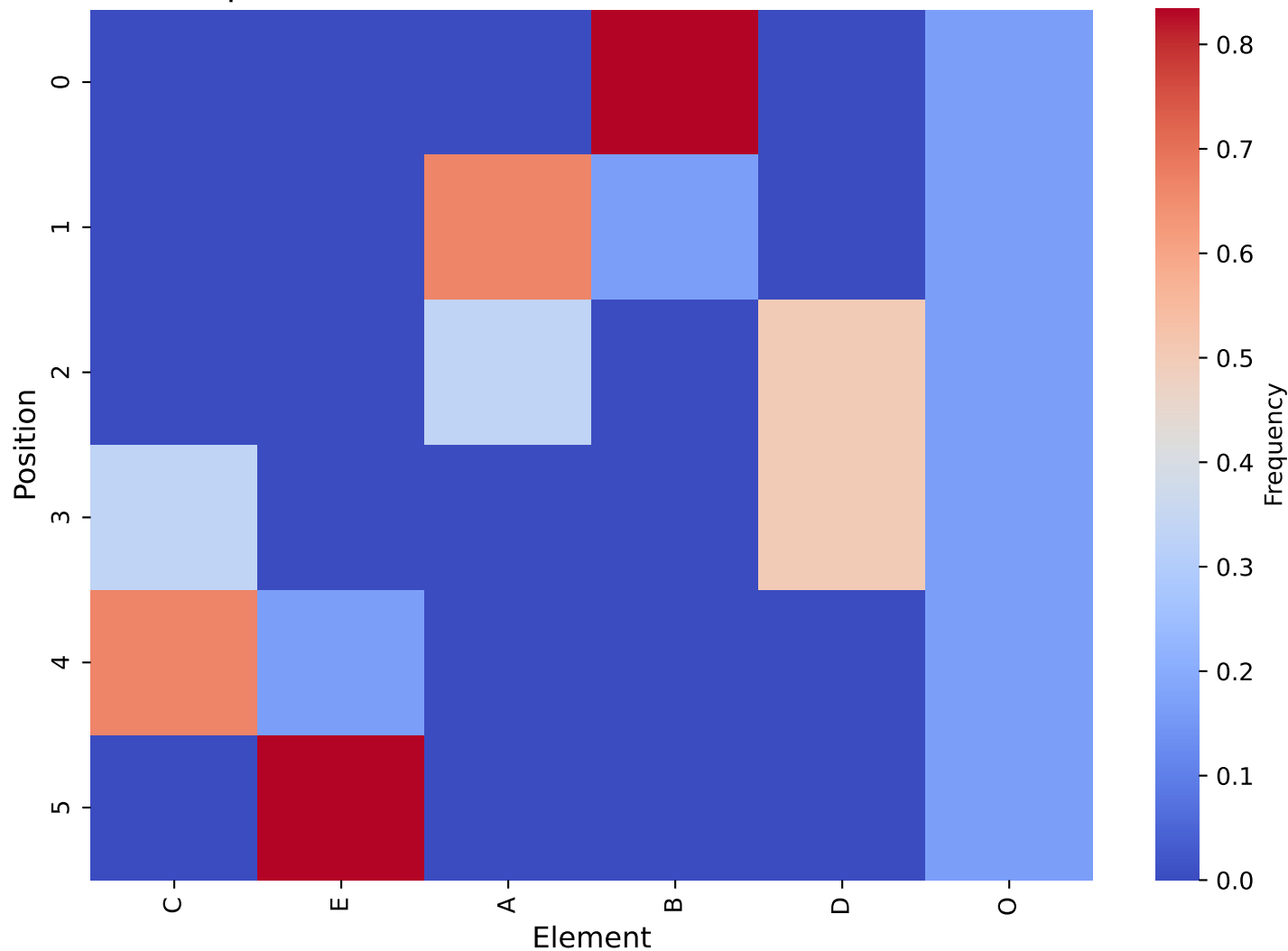
Correlation between Element Positions and Distance

Element Frequencies at Positions for Distance 0.11749069643806485

Element Frequencies at Positions for Distance 0.1339712918660287

Statistical Summary of Distances

	Value
Mean	0.127286
Median	0.128123
Standard Deviation	0.003726
Variance	0.000014
Minimum	0.117491
Maximum	0.133971

Shapiro-Wilk Normality Test Results:

Test	Statistic	p-value
Shapiro-Wilk	0.957072	1.171831e-13

Permutations with Minimal Distance: 0.11749069643806485

```
O, D, E, B, A, C
D, O, E, B, A, C
D, E, B, O, A, C
D, E, O, B, A, C
D, E, B, A, O, C
D, E, B, A, C, O
```

Permutations resulting in the minimal total distance among trees.

Permutations with Maximal Distance: 0.1339712918660287

```
B, A, O, D, C, E
B, O, A, D, C, E
B, A, D, O, C, E
O, B, A, D, C, E
B, A, D, C, E, O
B, A, D, C, O, E
```

Permutations resulting in the maximal total distance among trees.