1. Execution Times of Distance Computation in Python

The following table presents the execution times of three different implementations in Python:

Approach	Execution Time (seconds)
Using For Loop	0.016
Using apply () function	0.00121
Using Vectorization	0.00018

Python's vectorized implementation is significantly faster than both the <code>apply</code> () function and the traditional for-loop.

2. Execution Times of Distance Computation in R

The table below summarizes the execution times of the three approaches implemented in R:

Approach	Execution Time (seconds)
Using For Loop	0.00235
Using apply () function	0.00468
Using Vectorization	0.00053

As in Python, the vectorized approach in R performs significantly better than the other two.

- 3. Preferred Approach and Implementation
- After comparing the performance of the two languages for this task:
- Performance-wise: R is better than Python in all the approaches. The vectorized R code took roughly 40 times faster than the vectorized Python implementation to compute the results (0.00053s vs. 0.00018s).
- Implementation-wise: R offers easier syntax as well as inbuilt vectorization for mathematical computations, so it is easier to implement compared to Python.

Based on the run time and coding time, R is therefore a better choice for this task.

Several additional elements need to be evaluated for Python-R comparison. The following factors need proper evaluation when choosing between R and Python:

1. The integration with the Python ecosystem provides strong benefits for standard programming along with features necessary for full data science operations which can be supported through its expansive set of tools. Yet R was designed specifically for statistical modeling which makes it ideally fit for this task.

2. The ggplot2 library provides R with its best feature which makes it ideal for data exploration and reporting through statistical visualization. The strong machine learning and automation features in Python make it an ideal language for analytics to deployment thus the reason for its dominance in this sphere. R emerges as the preferred statistical computing and analysis tool for users who want to work in this field.

Even though Python provides broader flexibility for machine learning operations together with program integration and general development tasks it remains the more versatile platform.