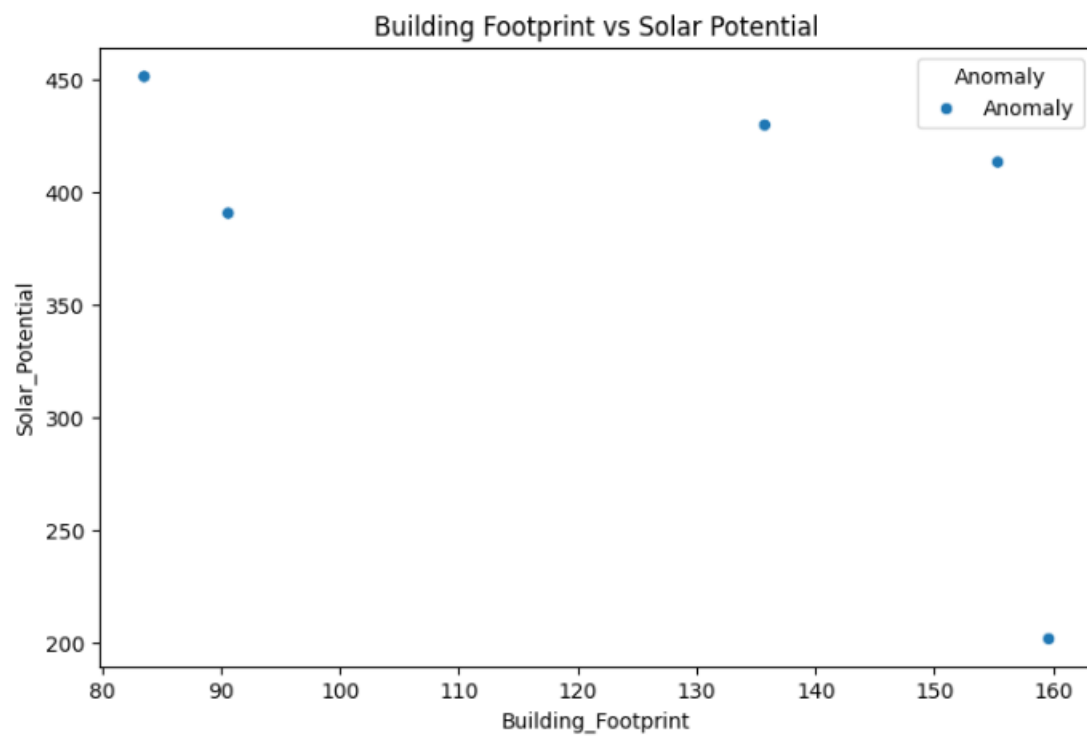


Visualizing the results to create various plots to understand the research outcome:

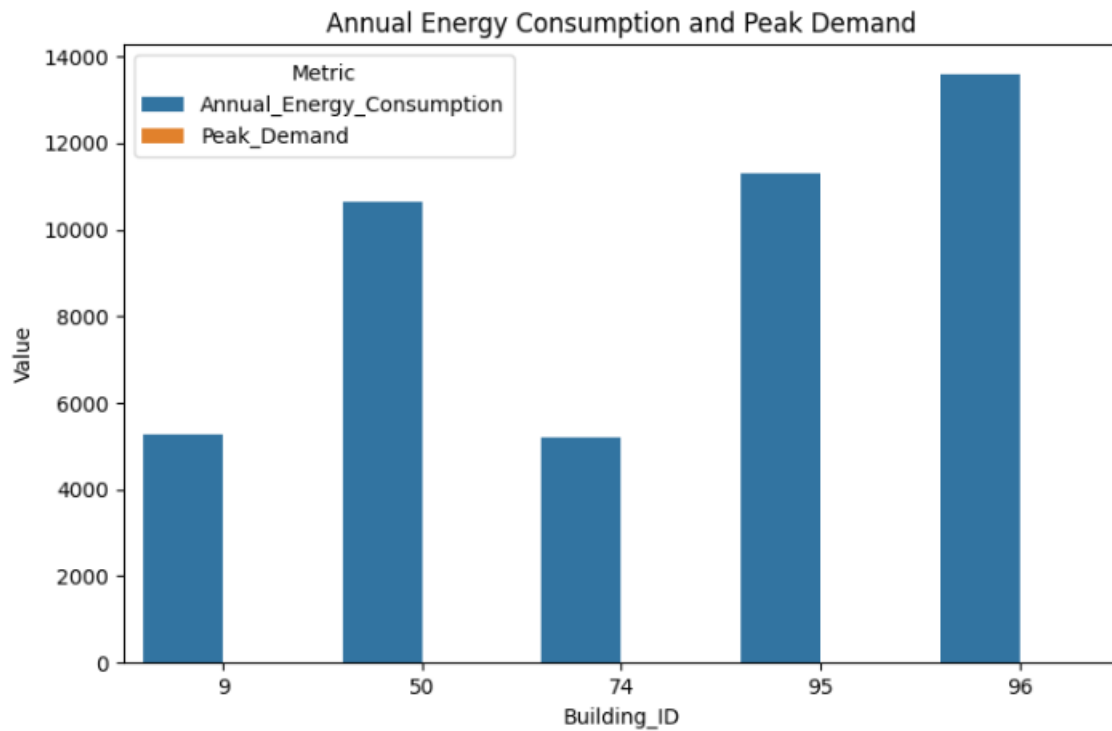
Scatter Plot: To show the relationship between Building Footprint and Solar Potential.

Bar Plot: To compare Annual Energy Consumption and Peak Demand.

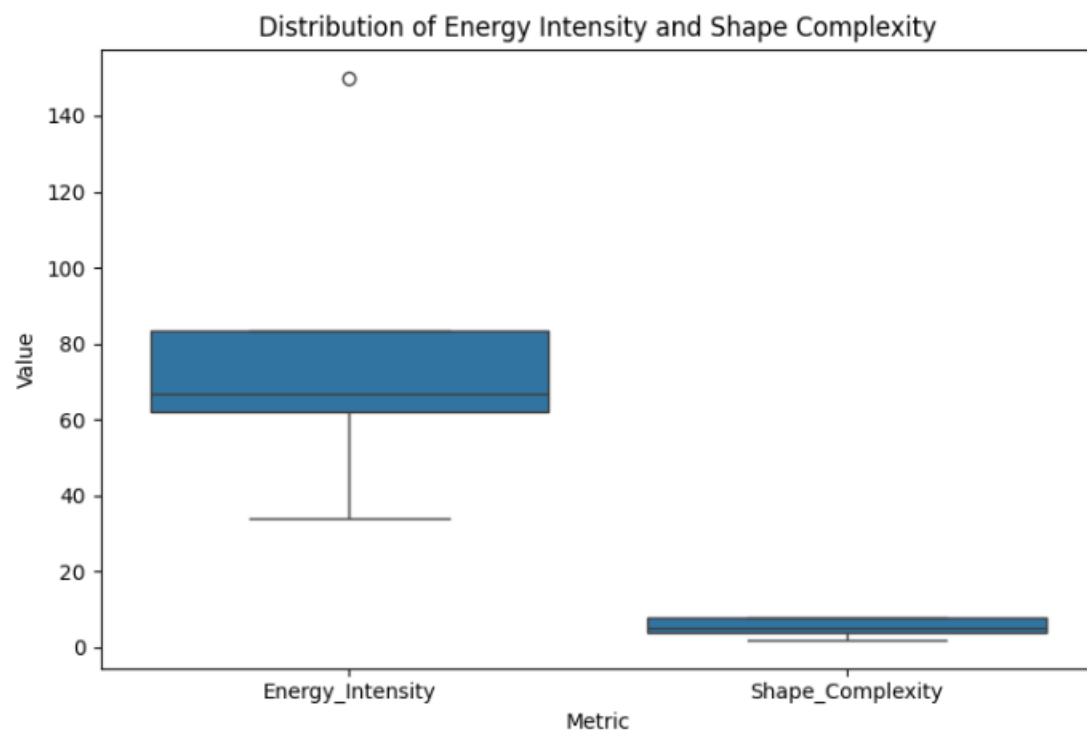
Box Plot: To visualize the distribution of Energy Intensity and Shape Complexity.



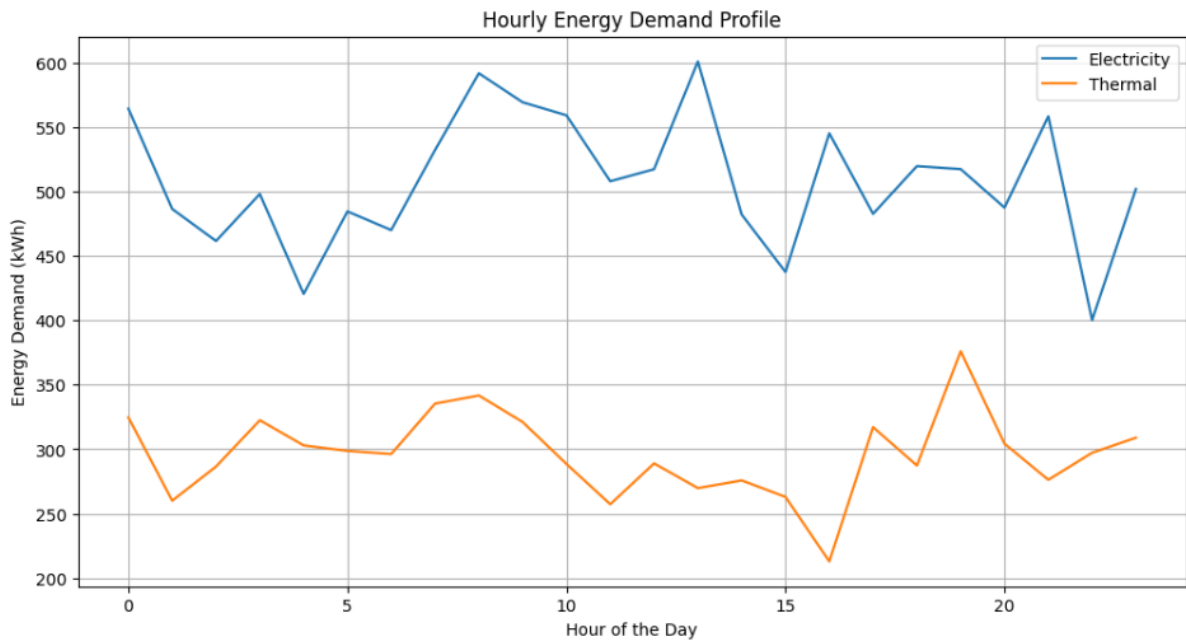
Scatter Plot: Shows how Building Footprint correlates with Solar Potential.



Bar Plot: Compares Annual Energy Consumption and Peak Demand for each building.



Box Plot: Displays the distribution of Energy Intensity and Shape Complexity.



This above figure shows a line plot showing the hourly energy demand for both electricity and thermal loads. The results are visualized as graphs to illustrate the energy demand patterns across different hours of the day.

This detailed analysis and implementation plan provide a comprehensive solution to the problem statement given in the assignment. The approach integrates modern techniques and tools to achieve accurate and actionable insights for urban energy planning.