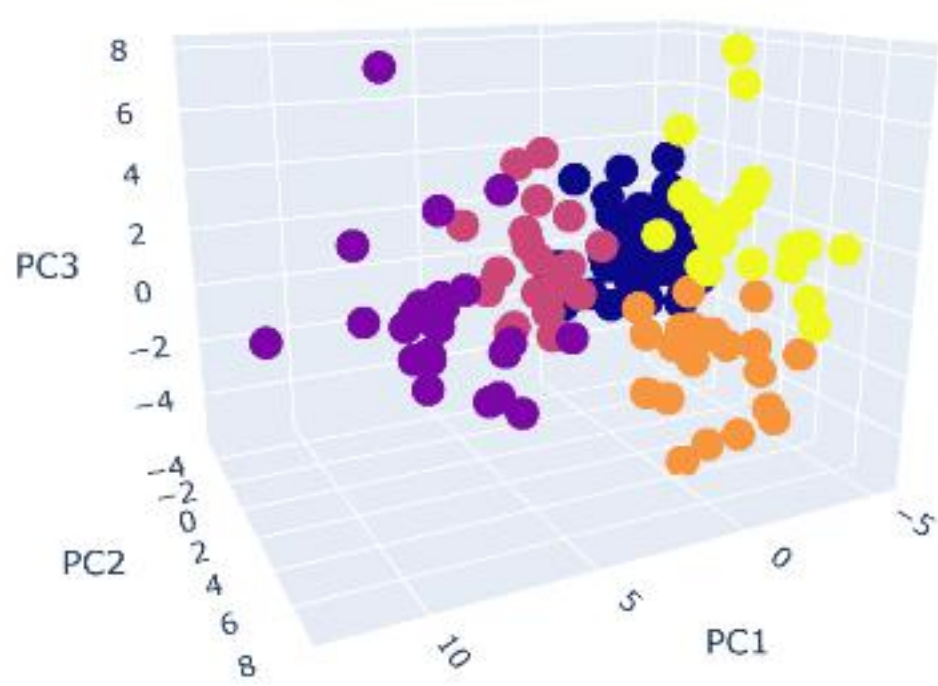


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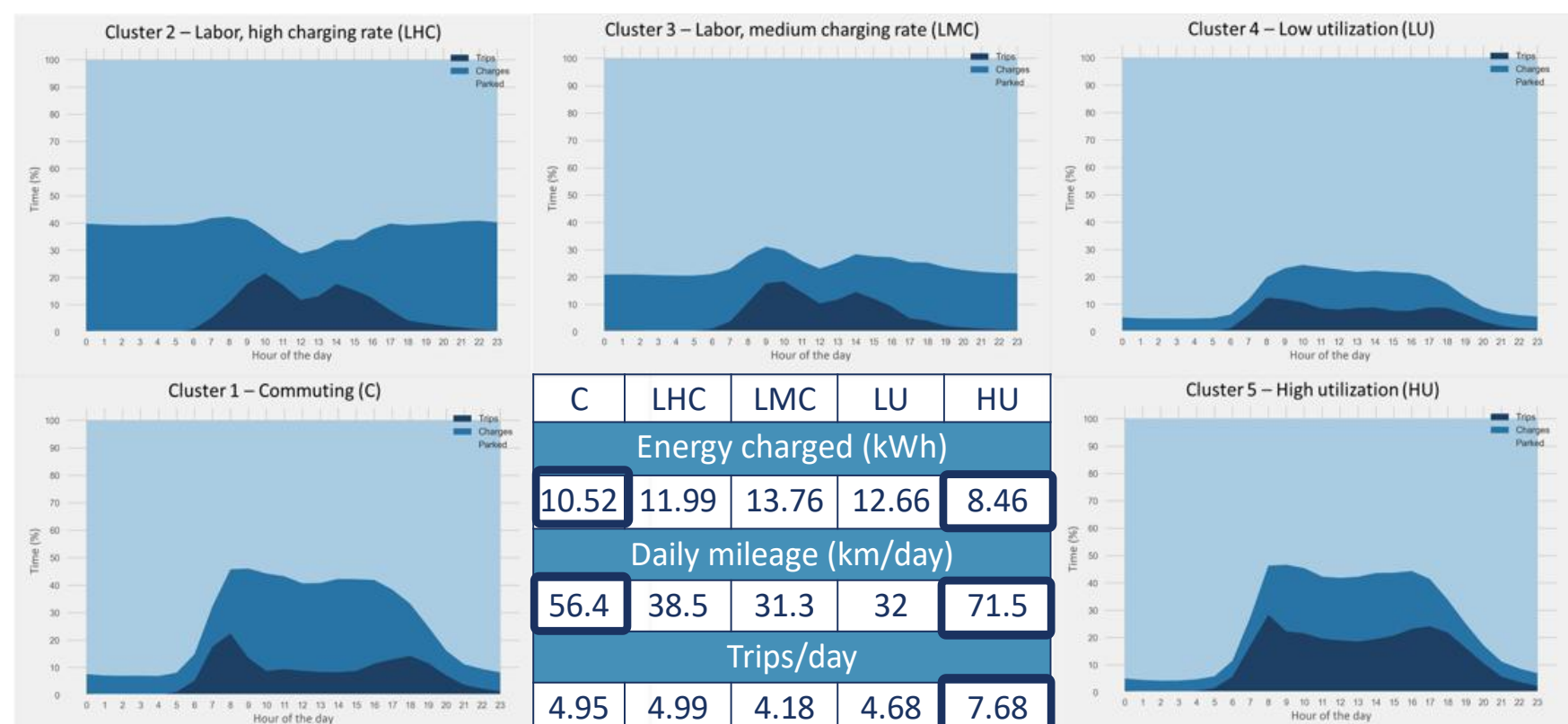
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Objective

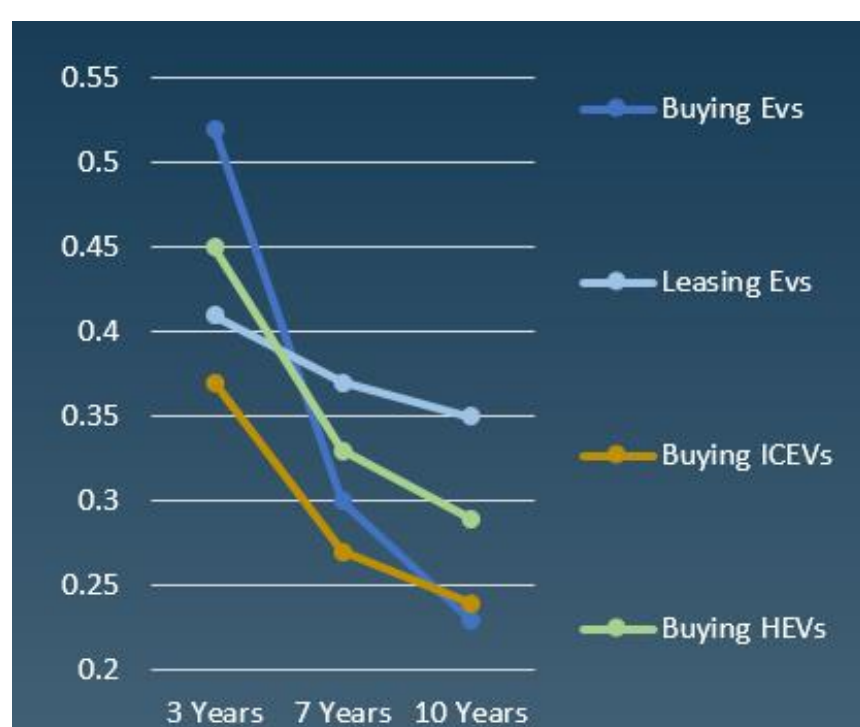
- Quantify the energy, environmental and economic impact of transitioning the Lisbon City Hall fleet to electric vehicles
- Aggregate BEV into clusters with similar utilization patterns



3-D plot of the 5 clusters



Usage profiles during the weekdays for the 5 clusters



Total cost of ownership (€/km)

- Usage patterns are major factor for economic viability of adoption – companies should consider how the vehicles are used, as well as charging behaviours

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