



LEM Residential MetaData Summary

Appendix B: Correlation Plots

Cornwall Local Energy Market, Centrica plc

Prepared By:

Dr David Kane*, Dr Andrew Peacock, Dr Peter McCallum

Trilemma Consulting Limited

* David.Kane@TrilemmaConsulting.co.uk



Revision Control

Rev No	Date	Edited By	Changes
0	2020-10-05	Peter McCallum	DRAFT circulated to Dan Nicolls & David Parrish (Centrica) for review
1	2020-11-23	David Kane	FINAL version, released to Dan Nicholls & David Parish at Centrica

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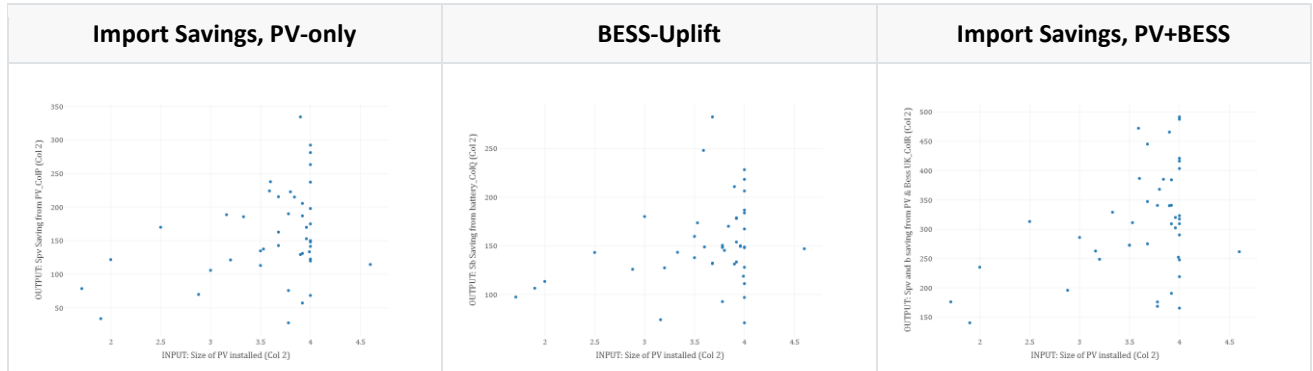
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1. Introduction

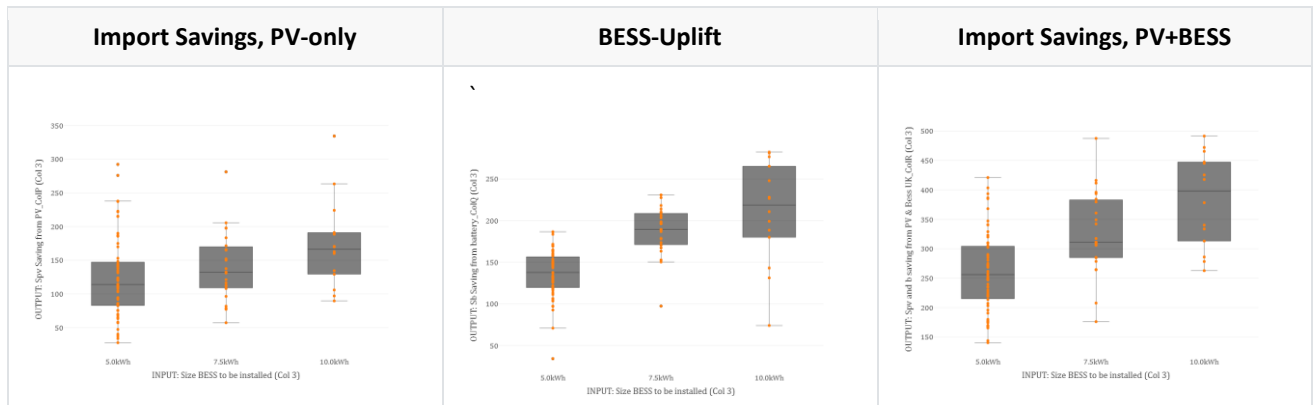
This appendix provides a large set of plots which were used to investigate potential relationships between metadata and Total Value. This process involved exploration of all possible combinations of relations. Due to the exhaustive nature of this process, there are a significant number of plots included below that show no relevant meaning; in many cases these combinations do not make logical pairings. This appendix is intended as a reference only and does not provide specific commentary. Where relevant patterns were identified, more substantive evidence has been provided in the main reports.

2. Correlation Plots

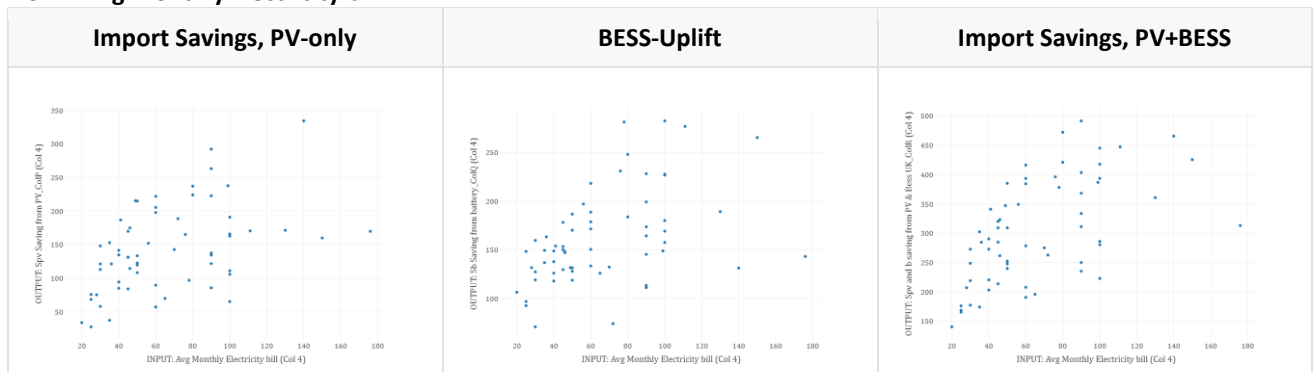
2.1 Size of PV installed



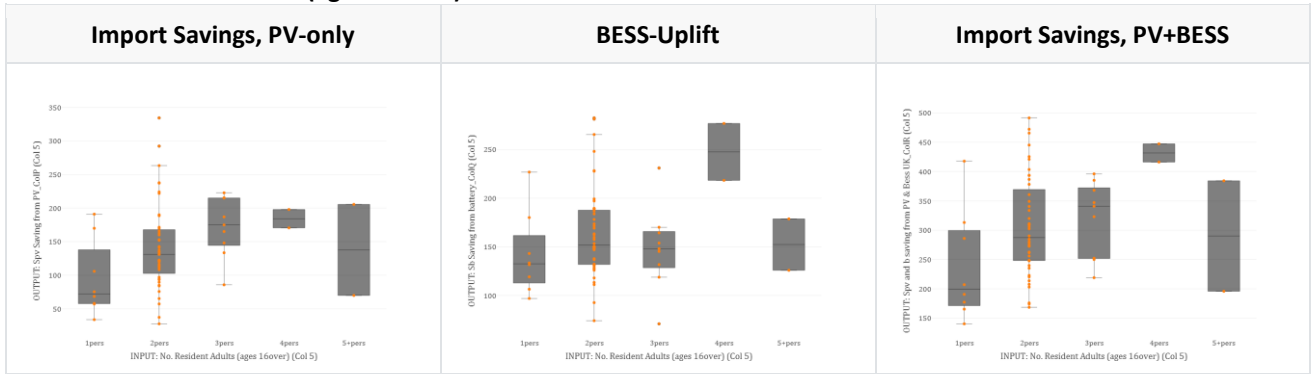
2.2 Size BESS to be installed



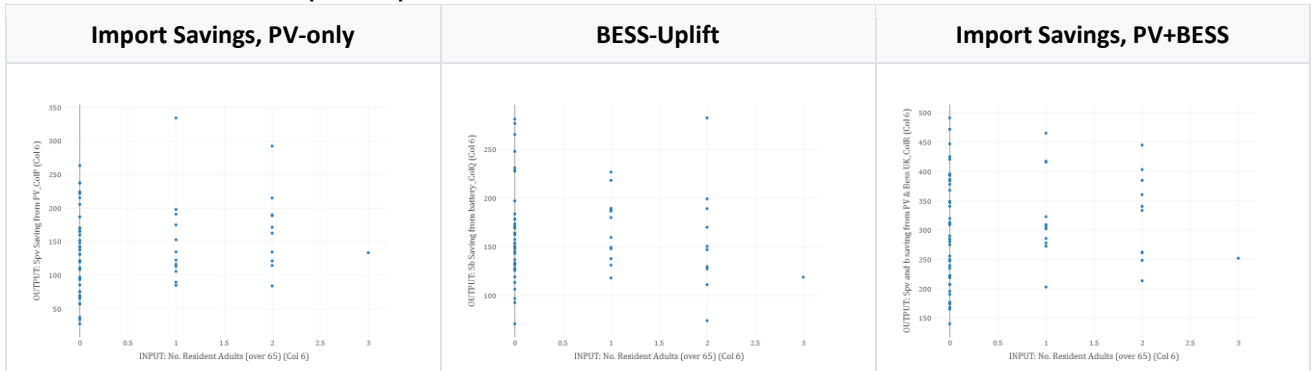
2.3 Avg Monthly Electricity bill



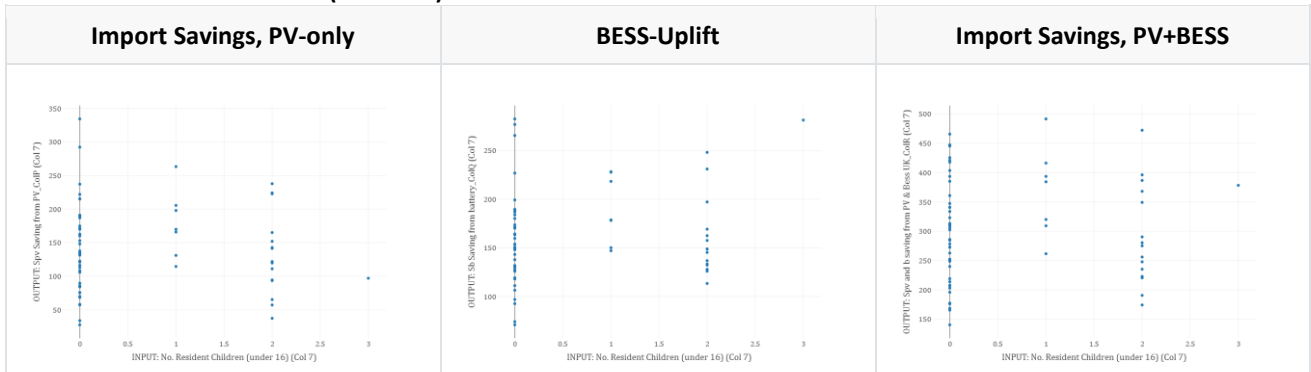
2.4 No. Resident Adults (ages 16 over)



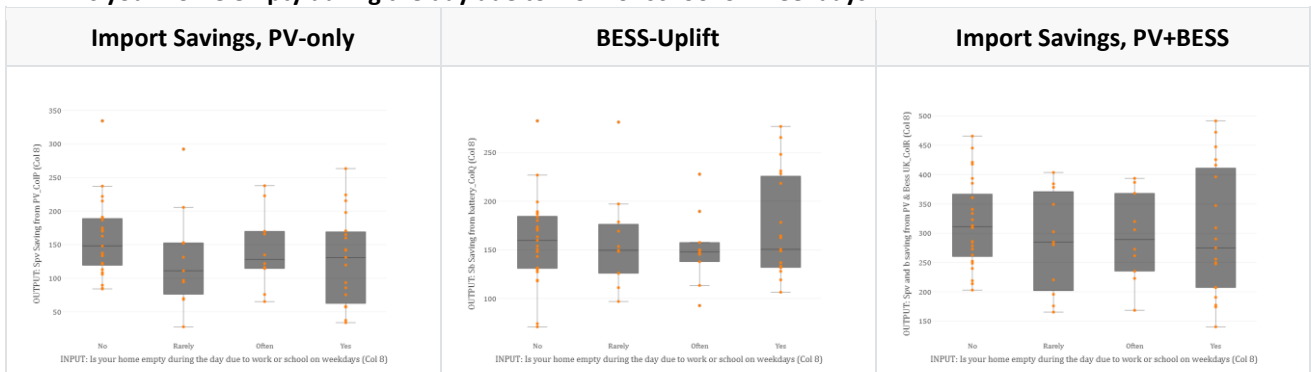
2.5 No. Resident Adults (over 65)



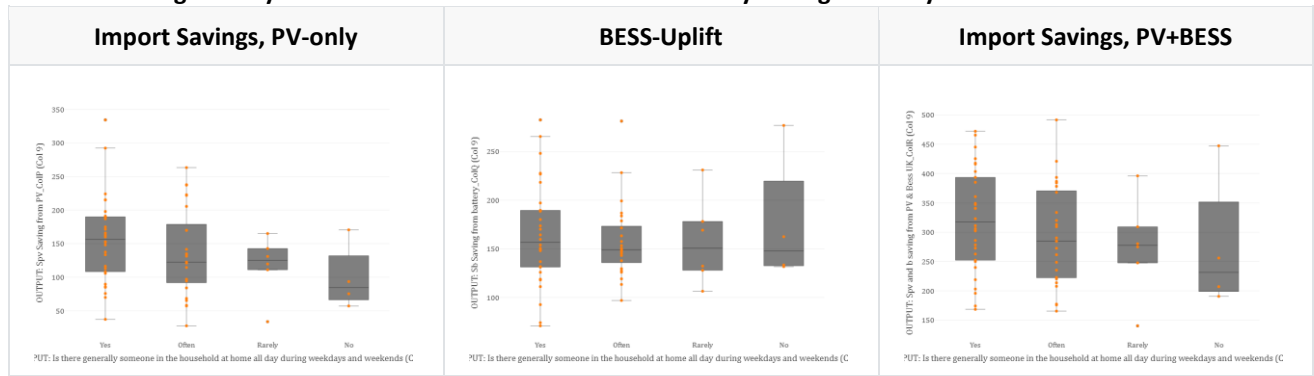
2.6 No. Resident Children (under 16)



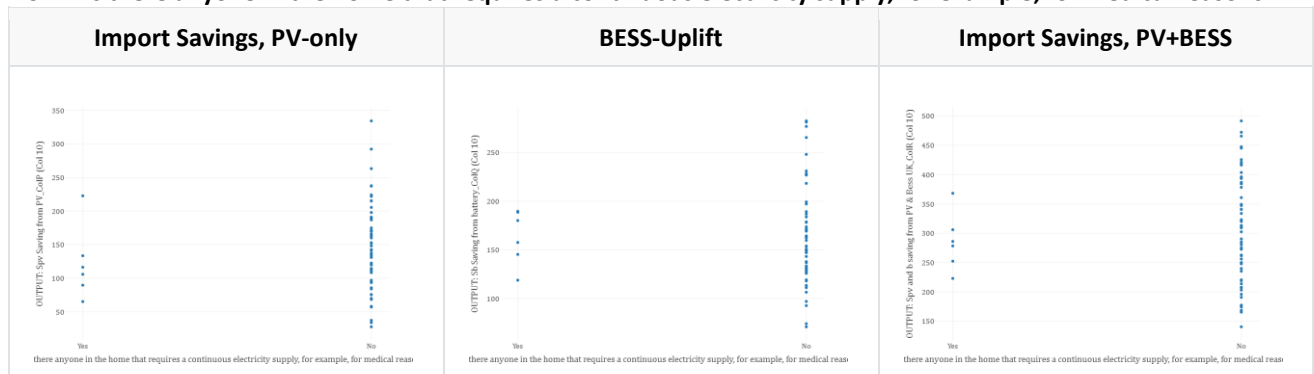
2.7 Is your home empty during the day due to work or school on weekdays



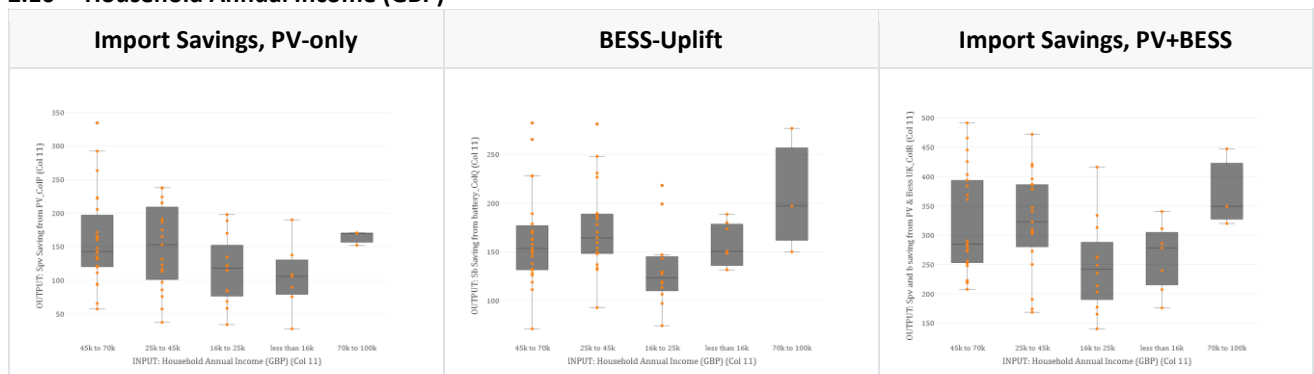
2.8 Is there generally someone in the household at home all day during weekdays and weekends



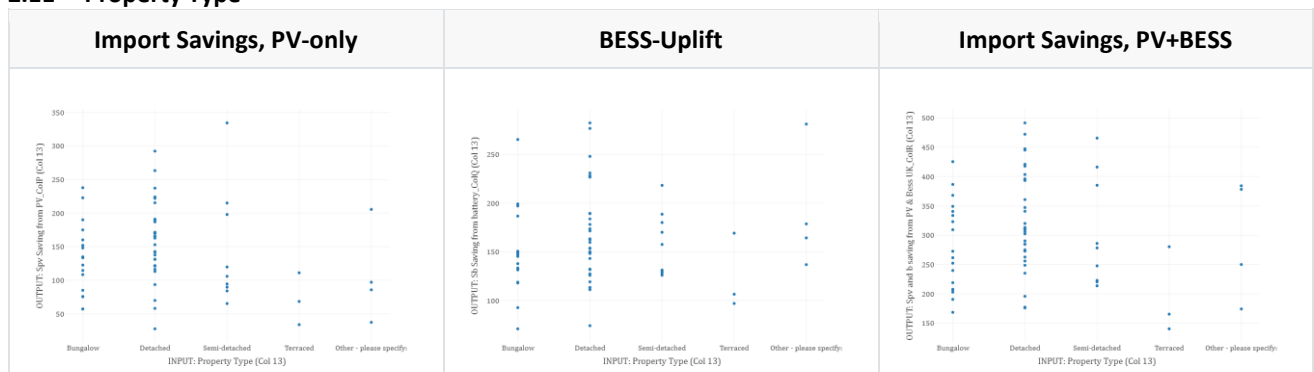
2.9 Is there anyone in the home that requires a continuous electricity supply, for example, for medical reasons



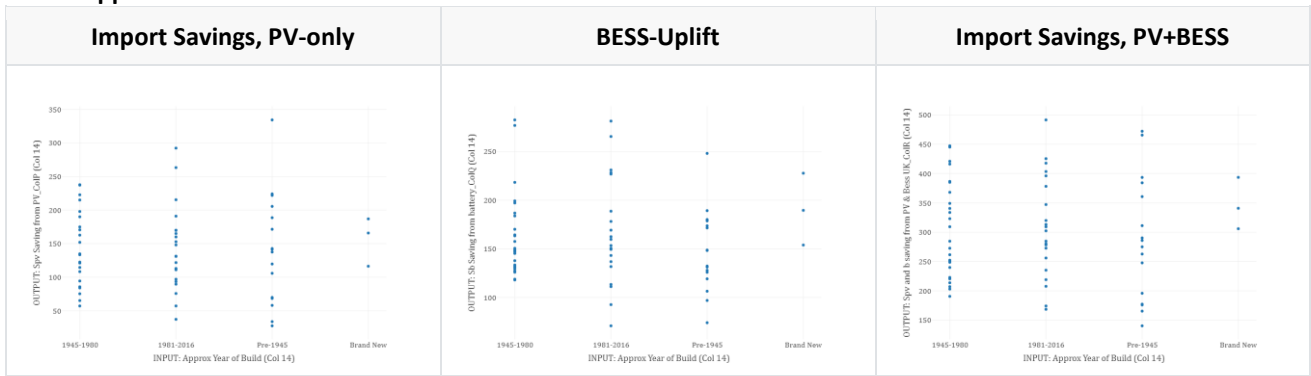
2.10 Household Annual Income (GBP)



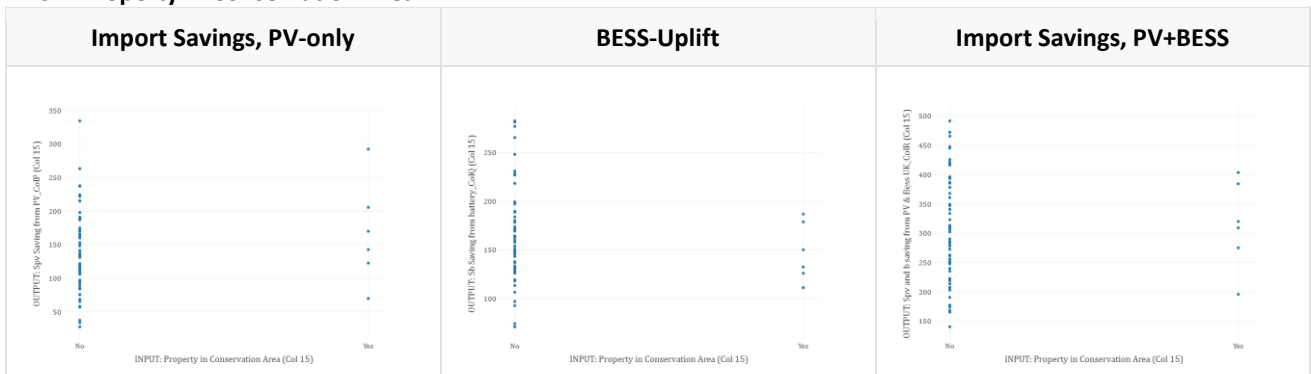
2.11 Property Type



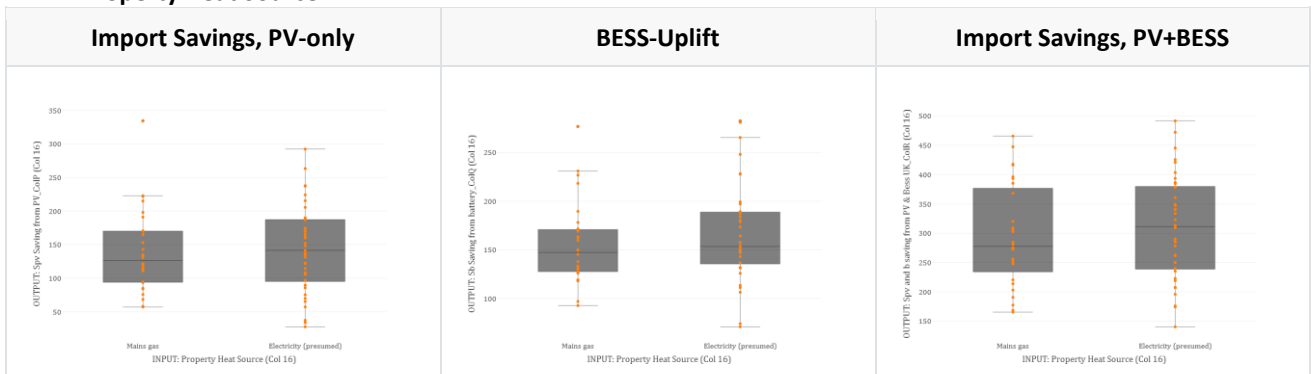
2.12 Approx Year of Build



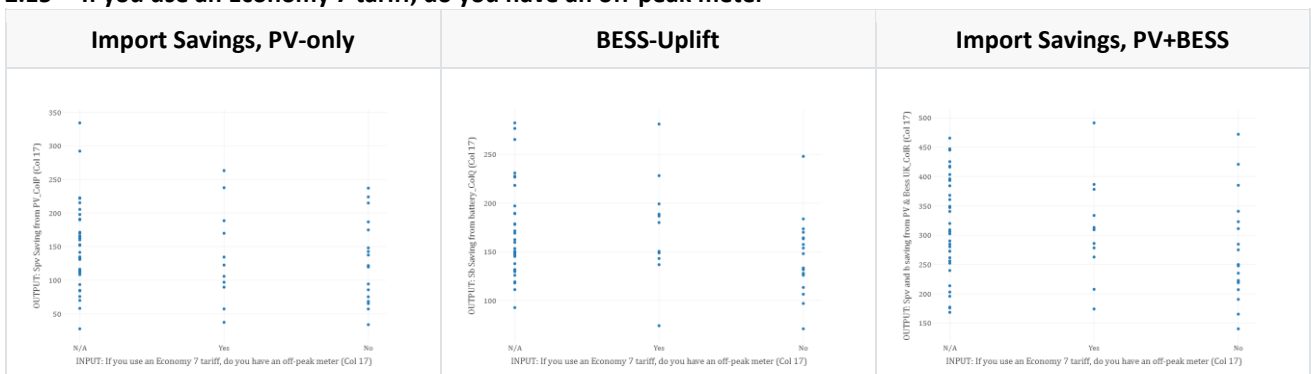
2.13 Property in Conservation Area



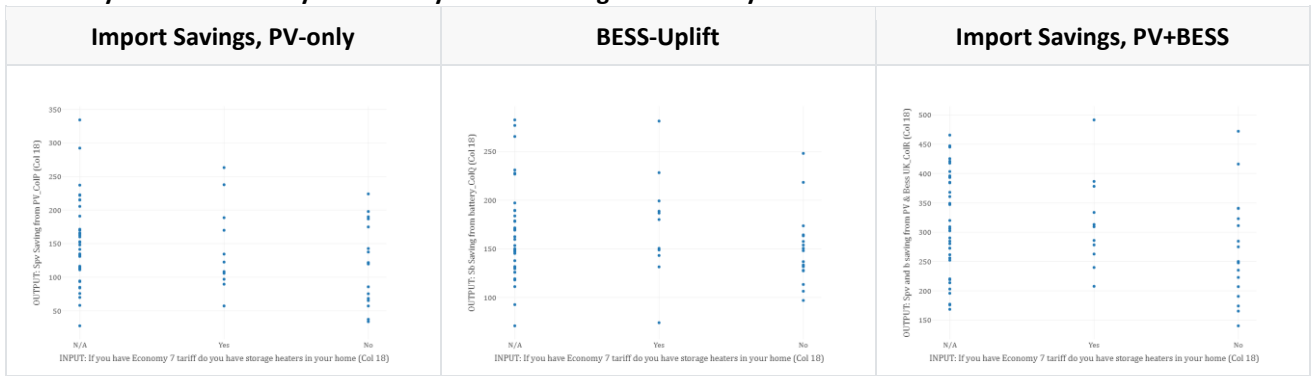
2.14 Property Heat Source



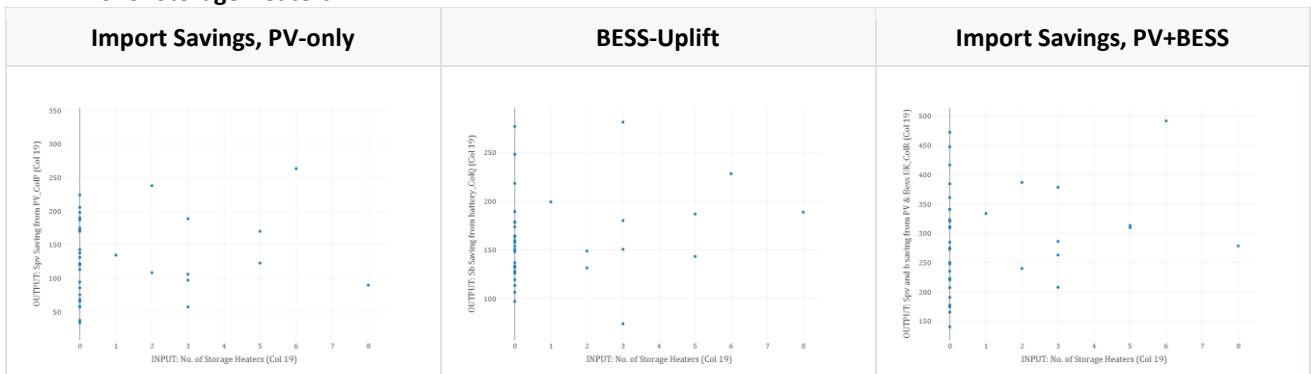
2.15 If you use an Economy 7 tariff, do you have an off-peak meter



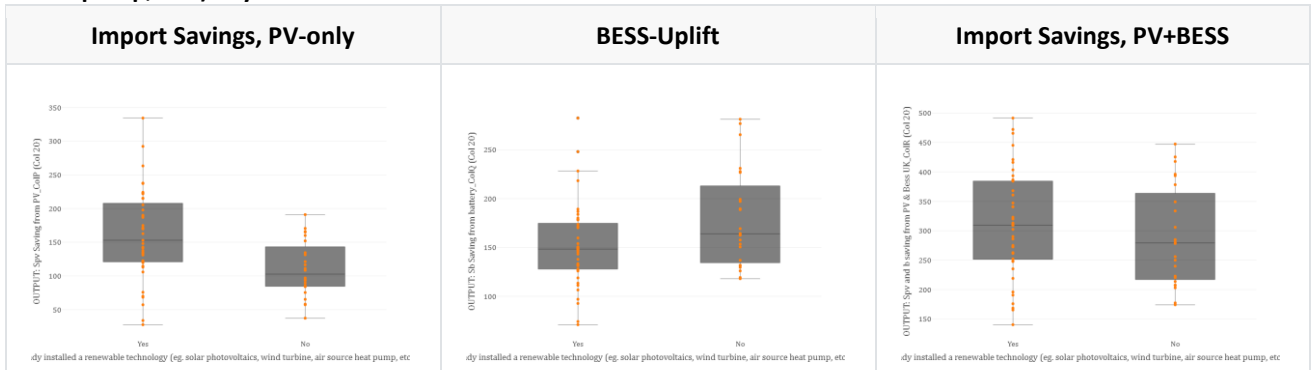
2.16 If you have Economy 7 tariff do you have storage heaters in your home



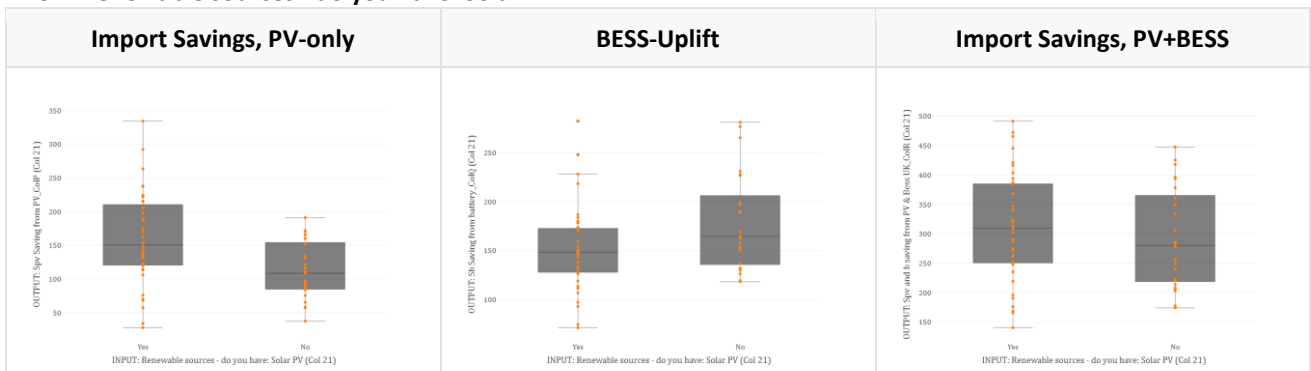
2.17 No. of Storage Heaters



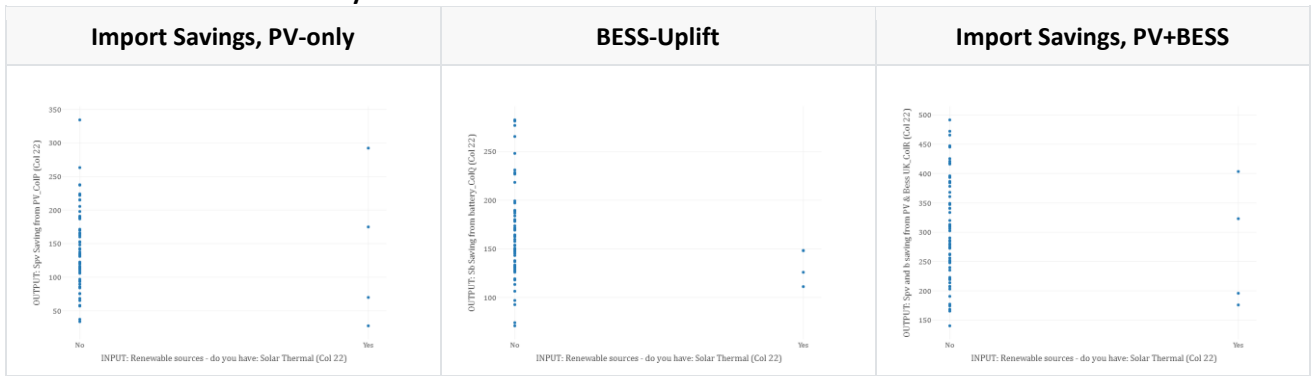
2.18 Have you already installed a renewable technology (eg. solar photovoltaics, wind turbine, air source heat pump, etc.) in your home



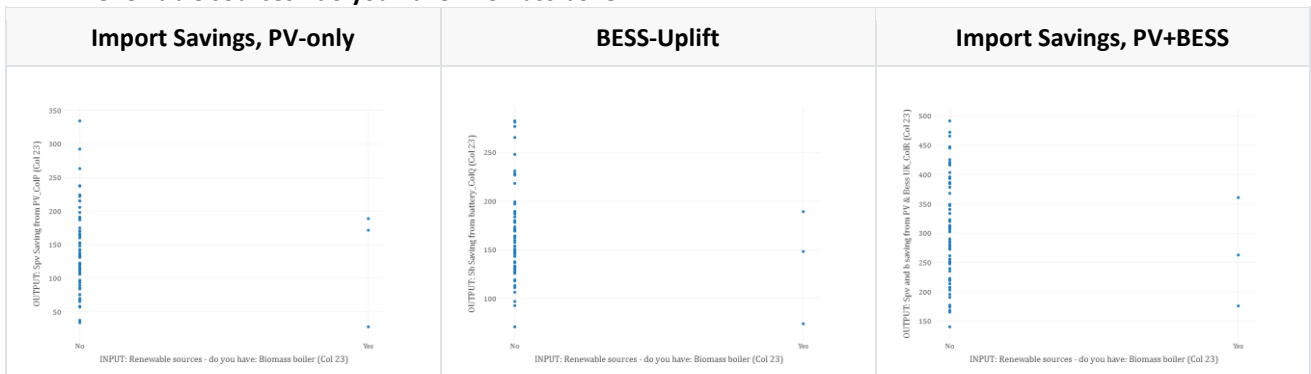
2.19 Renewable sources - do you have: Solar PV



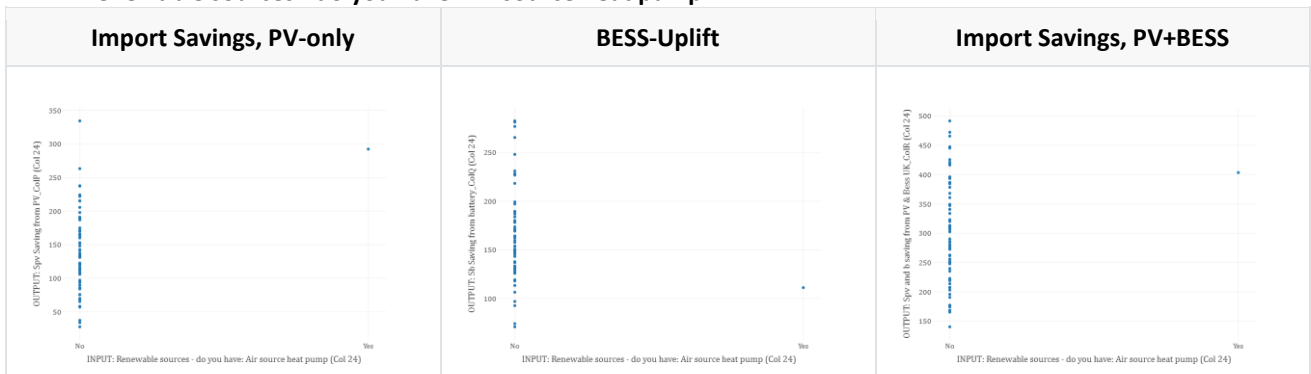
2.20 Renewable sources - do you have: Solar Thermal



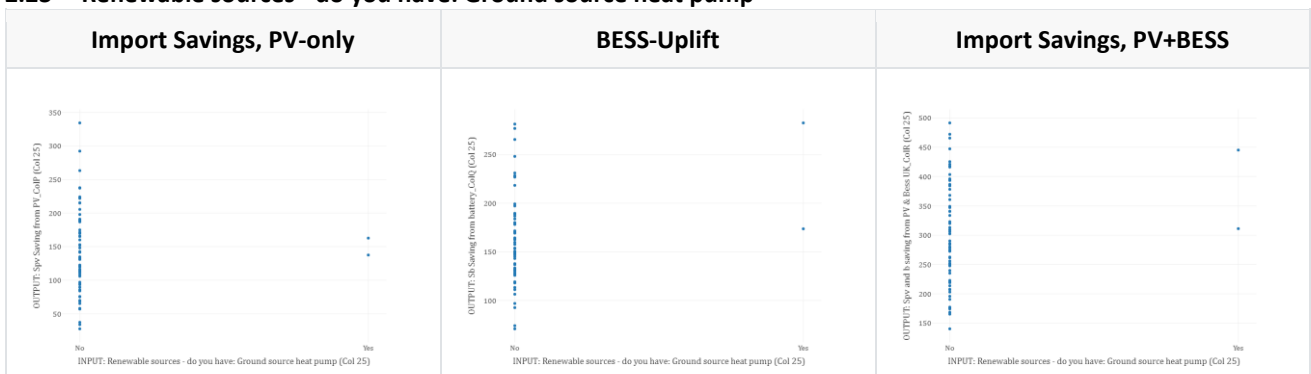
2.21 Renewable sources - do you have: Biomass boiler



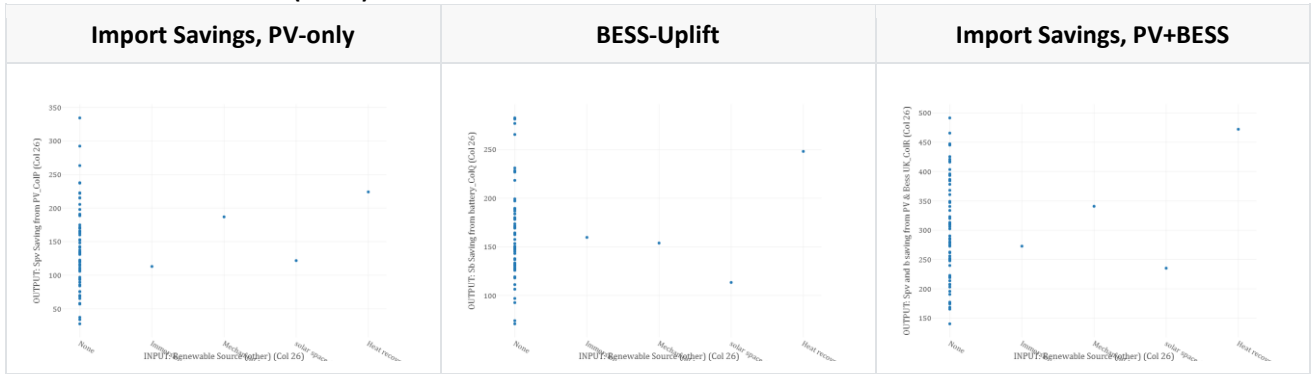
2.22 Renewable sources - do you have: Air source heat pump



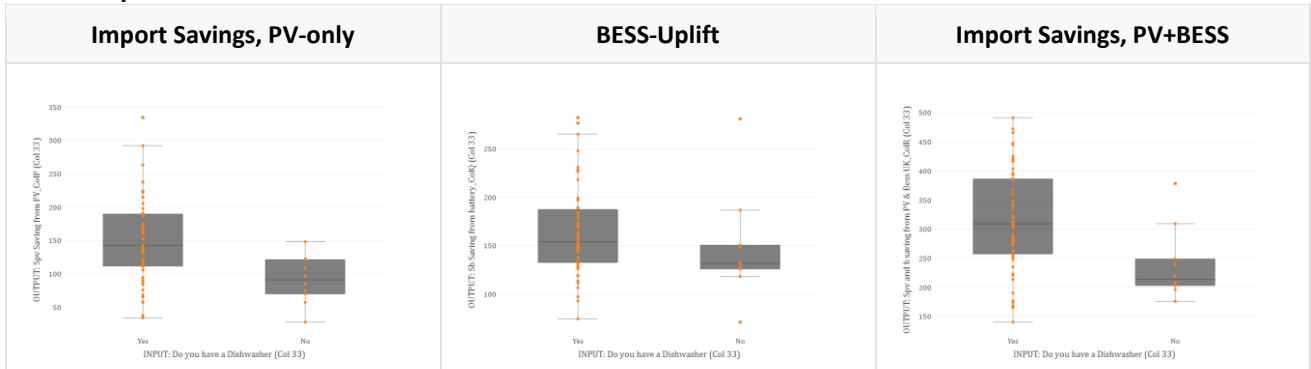
2.23 Renewable sources - do you have: Ground source heat pump



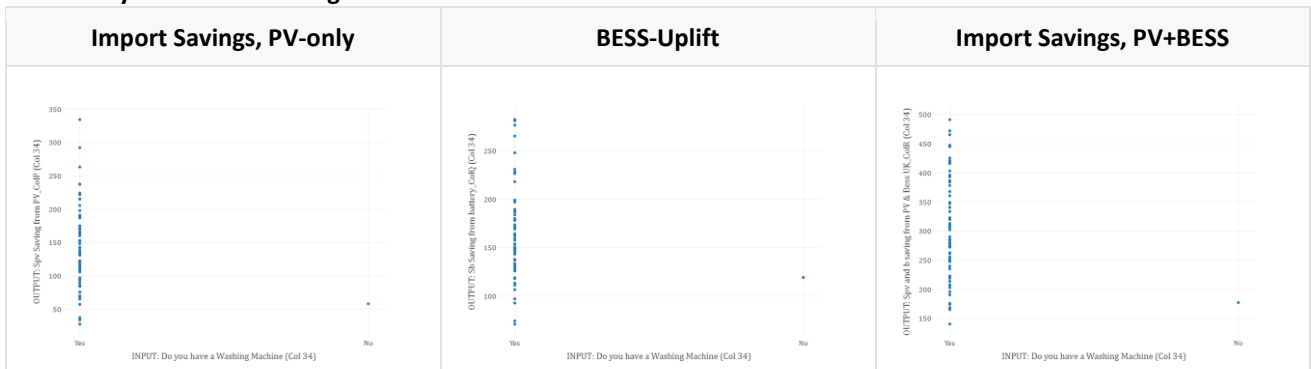
2.24 Renewable Source (other)



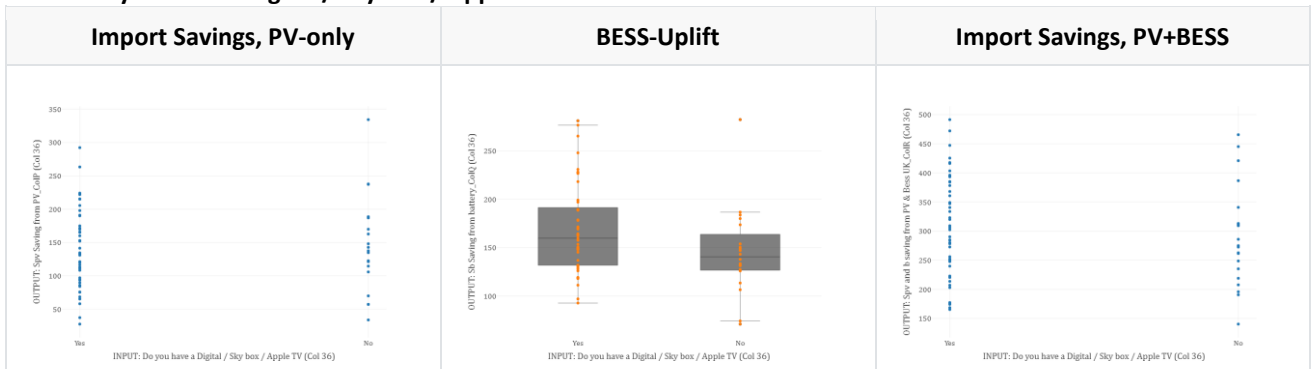
2.25 Do you have a Dishwasher



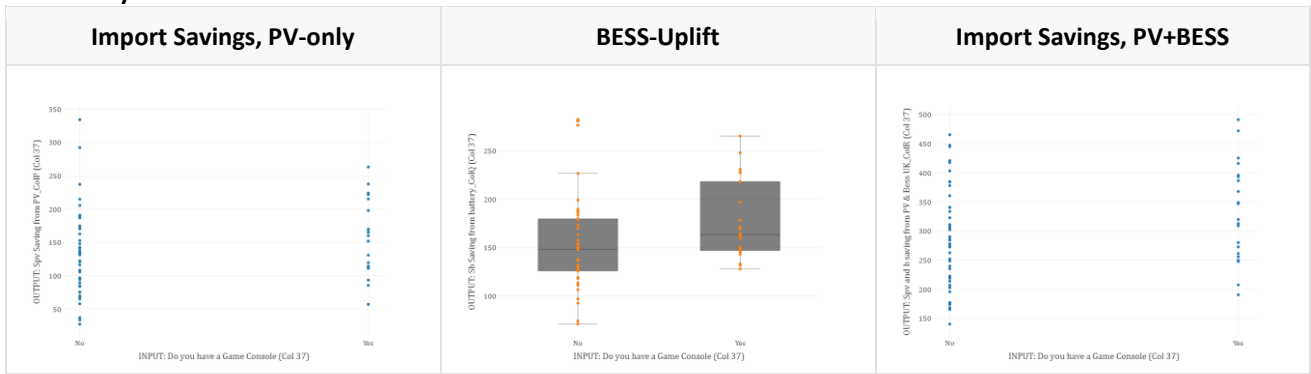
2.26 Do you have a Washing Machine



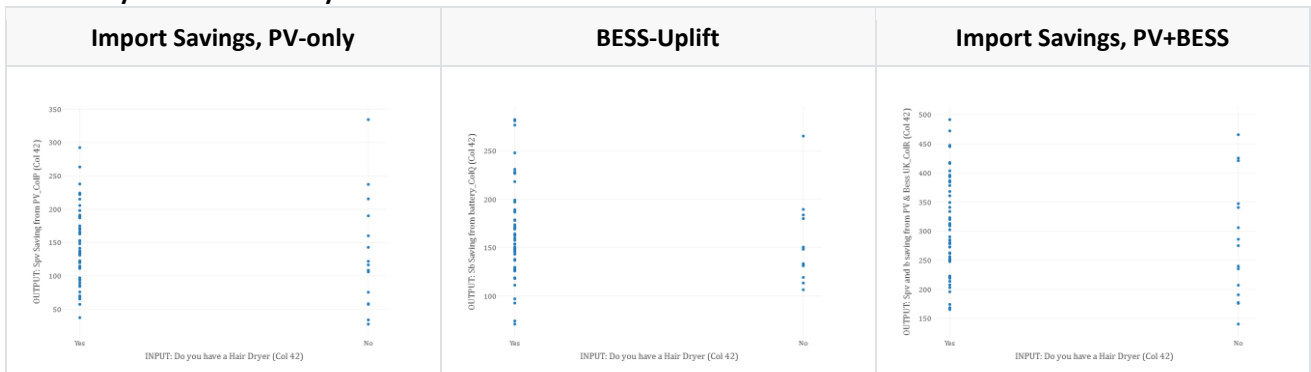
2.27 Do you have a Digital / Sky box / Apple TV



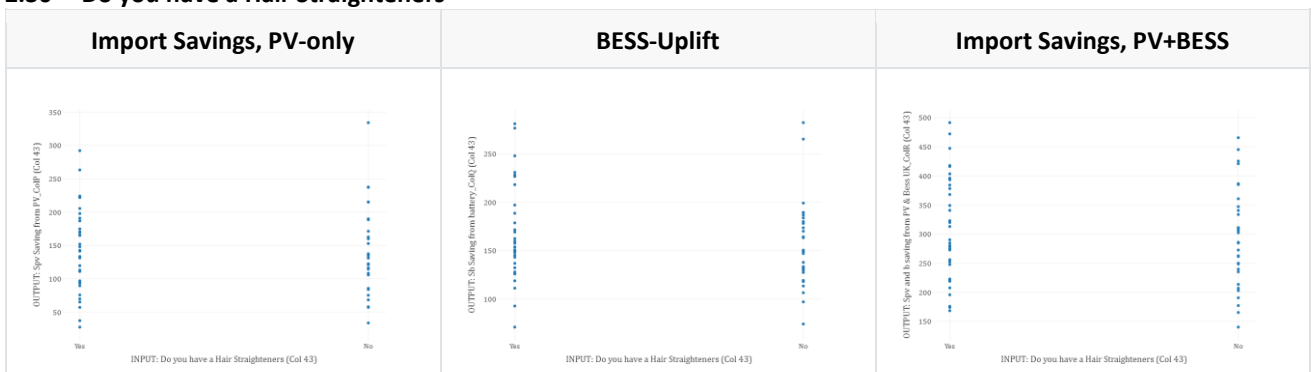
2.28 Do you have a Game Console



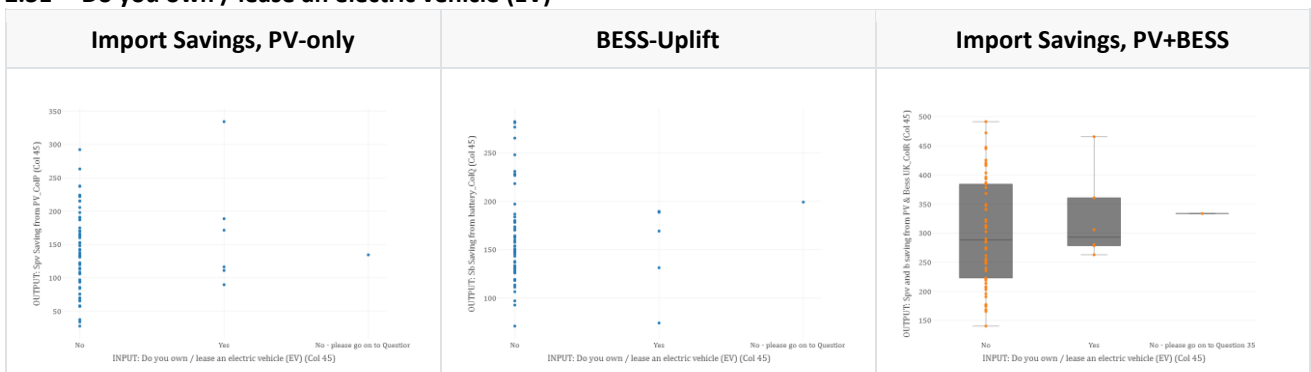
2.29 Do you have a Hair Dryer



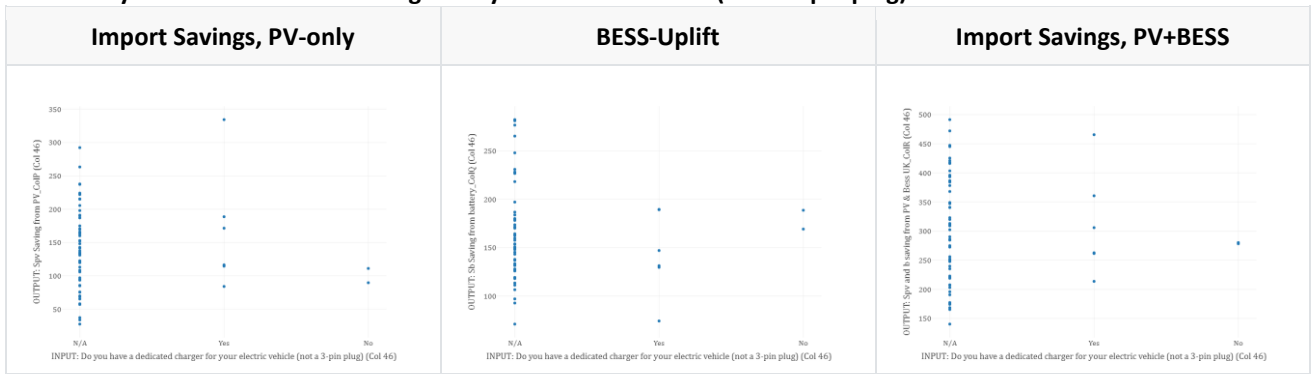
2.30 Do you have a Hair Straighteners



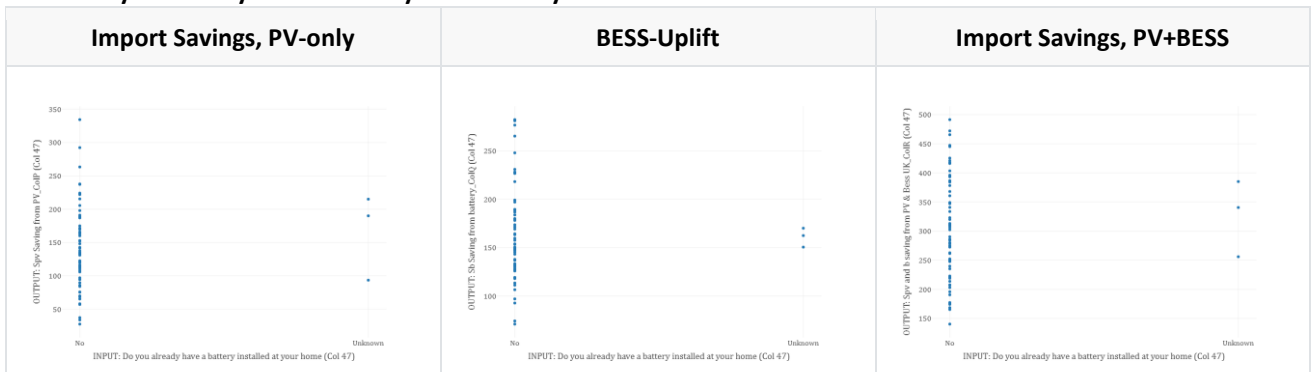
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