Creating a Suitable Layout

The 226 sets of 20 tightly clustered household locations are challenging to display in a way that both retains geographical relationship and avoids occlusion. Our carefully-designed layout preserves this two-level hierarchy, in a non-occluding manner.

Understanding Data Distributions

This layout enables us to quickly flick through hundreds of variables, helping us choose those variables with suitable distributions. For example, London-centric density of house-sharing adults makes this a potentially problematic variable for inclusion in a national non-response model.

Comparing to Response Rates

Since we are modelling non-response, we want to know how our candidate variables relate to non-response. Our diverging colour scale emphasises both low (brown) and high (turquoise) response rates. Overlaying it on our variable maps with varying degrees of transparency helps us relate variable to response as we consider local models.

Collaborative co-design is helping us sift through hundreds of variables that might help us predict non-response, leading to a better understanding of factors affecting non-response and more informed models.