

Input Data

Simple-app

Meta



Multi-app

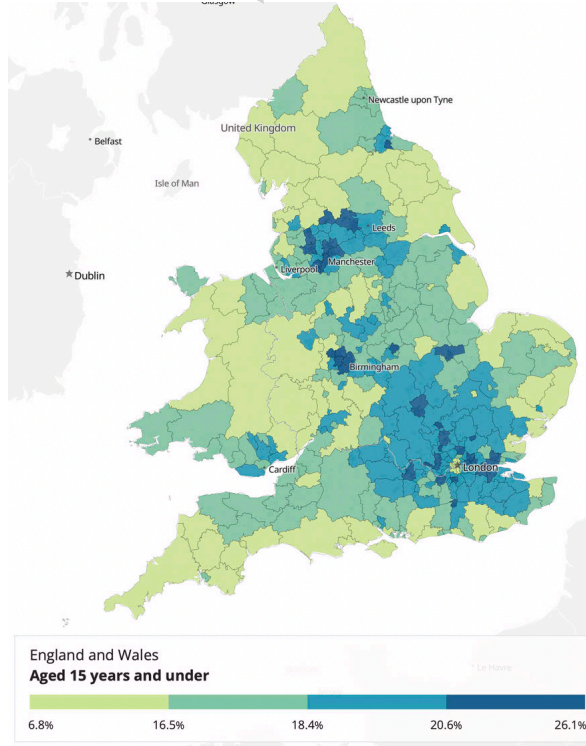
locomizer

multi-app2

Benchmark

census
2021

Geographies



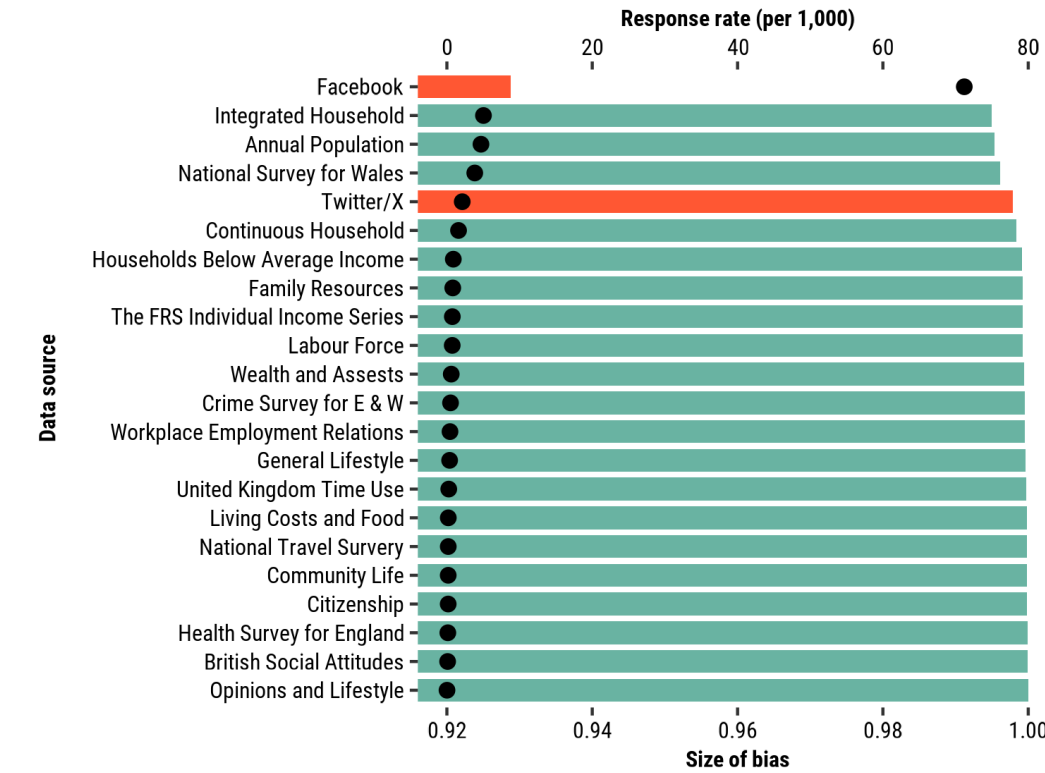
Population

Bias measure

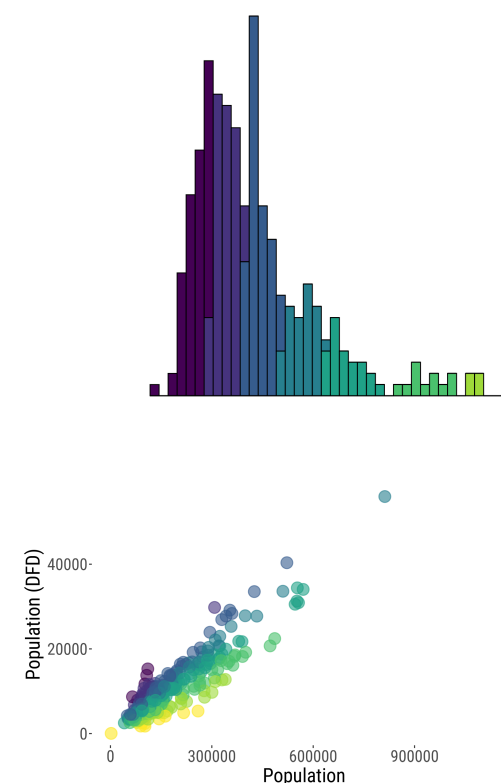
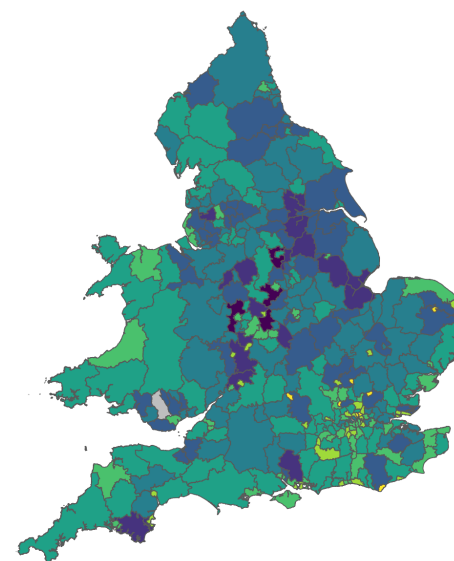
$$e_i = 1 - c_i$$

$$where : c_i = \frac{P_i^D}{P_i}$$

1. Comparative analysis



2. Spatial analysis



3. Explainable Machine learning

Features



Socioeconomics



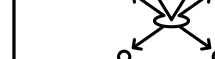
Resource accessibility



Mobility



Geography



Training

Machine
Bias = f(.)



XGBoost

Output
Prediction

Shap value analysis

