

Appendix

Table A1: Analytical Samples Used for the Analysis

	2014	2016	2018	2021	Pooled
Original sample (respondents who were supposed to respond to the relevant questionnaire)	1907	1968	1968	3398	
Sample of those who gave valid response to accuracy outcome	1535	1628	1609	3223	
Sample of those who gave valid response to trust outcome	1580	1616	1610	3293	
Sample of those who gave valid response to confidentiality outcome	1694	1707	1705	3343	
Analytical sample for accuracy outcome only (observations with missing values are deleted)				2970	6729
Analytical sample for trust outcome only (observations with missing values are deleted)				3171	6936
Analytical sample for confidentiality outcome only (observations with missing values are deleted)				3226	7087
Combined sample used for descriptive analysis reported in Table A2 (respondents who gave valid answers to all three outcome variables and all independent variables)				2809	6251

Note: The analysis is conducted in two research contexts: 2021 and pooled sample. The combined samples used for descriptive analysis contain records with valid responses to all three outcome variables and all explanatory variables, therefore, numbers are smaller than in analytical samples used for modelling of individual outcome variables. Analytical samples contain valid responses to one response variable at a time and related explanatory variables. First, we created two analytical samples (2021 and pooled) that contained records with valid responses for all three outcome variables and all independent variables. These two samples were used to describe the two contexts of analysis and were reported in Table A2 in the Appendix. However, to reduce the loss of information, we then created three separate datasets for each context, which were used to model individual outcome variables. The distributions of variables in these individual datasets were very close to the ones used for reporting the sample proportions; therefore, the characteristics of the individual analytical samples used for the modelling were not presented separately. The final analytical samples had records with valid responses to relevant outcome variables and to all explanatory variables used in the different final models, with the numbers as follows.

Table A2: Characteristics of Respondents in 2021 Data and the Pooled Data (Unweighted)

Variable and categories	2021 dataset		Pooled dataset	
	Frequency	Percentage	Frequency	Percentage
Outcome Variables				
Accuracy of official statistics				
Positive attitude	2393	85.2	5069	81.1
Negative attitude	416	14.8	1182	18.9
Trust in ONS statistics				
Positive attitude	2510	89.4	5455	87.3
Negative attitude	299	10.6	796	12.7
Confidentiality of personal information				
Positive attitude	2586	92.1	5749	92.0
Negative attitude	223	7.9	502	8.0
Demographic and Socio-economic Variables				
Age				
18-34	487	17.3	1032	16.5
35-44	430	15.3	1000	16.0
45-54	456	16.2	1099	17.6
55-64	496	17.7	1172	18.7
65+	940	33.5	1948	31.2

Sex	Male	1323	47.1	3014	48.2
	Female	1486	52.9	3237	51.8
Number of children					
	0	2058	73.3	4577	73.2
	1	339	12.1	711	11.4
	2+	412	14.7	963	15.4
Religion					
	No religion	1062	37.8	2844	45.5
	Christian	1575	56.1	3084	49.3
	Other religion	172	6.1	323	5.2
Ethnicity					
	White	2537	90.3	5704	91.2
	Other ethnicity	272	9.7	547	8.8
Economic activity					
	Employed	1355	48.2	3058	48.9
	Self-employed	203	7.2	434	6.9
	Retired	981	34.9	2037	32.6
	Unemployed	143	5.1	247	4.0
	Other	127	4.5	475	7.6
Education					
	Degree or above	1561	55.6	3090	49.4
	A-levels	382	13.6	963	15.4
	Below A-levels	626	22.3	1506	24.1
	No qualification	240	8.5	692	11.1
Tenure					
	Own	2138	76.1	4693	75.1
	Rent	570	20.3	1432	22.9
	Other/no information	101	3.6	126	2.0
Country					
	England	2463	87.7	5432	86.9
	Wales	136	4.8	417	6.7
	Scotland	210	7.5	402	6.4
Mode					
	Paper	761	27.1	761	12.2
	Online	2048	72.9	2048	32.8
	Face-to-face	-	-	3442	55.1
<i>Census behaviour and ONS awareness variables</i>					
Participation in Census					
	No	640	22.8	1541	24.7
	Yes	2169	77.2	4710	75.3
How well know ONS					
	Knew it well	445	15.8	1301	20.8
	Knew it somewhat	1184	42.2	2784	44.5
	Only heard the name	680	24.2	1634	26.1
	Not heard of it	500	17.8	532	8.5
Year					
	2014	-	-	1121	17.9
	2016	-	-	1180	18.9
	2018	-	-	1141	18.3
	2021	-	-	2809	44.9
Total		2809		6251	

Table A3: Results of Binary Logistic Regression Modelling – 2021 Data (weighted)

Variable and categories	Accuracy (N=2970)			Trust (N=3171)			Confidentiality (N=3226)		
	β	SE	OR	β	SE	OR	β	SE	OR
Intercept	-1.732***	0.243	-	-3.439***	0.325	-	-2.268***	0.267	-
Religion (ref: No religion)									
Christian	-0.260*	0.112	0.771	-	-	-	-0.372**	0.134	0.689
Other religion	-0.034	0.263	0.966	-	-	-	-0.487	0.258	0.615
Ethnicity (ref: White)									
Other ethnicity	-0.560*	0.271	0.571	-	-	-	-	-	-
Education (ref: Degree or Above)									
A-levels	-0.060	0.149	0.942	0.437**	0.166	1.547	-	-	-
Below A-levels	0.252	0.131	1.286	0.653***	0.148	1.922	-	-	-
No qualification	0.561**	0.171	1.752	0.893***	0.186	2.441	-	-	-
Tenure (ref: Own)									
Rent	-	-	-	0.380**	0.126	1.462	-	-	-
Other/no information	-	-	-	0.250	0.231	1.284	-	-	-
Country (ref: England)									
Wales	-	-	-	-0.191	0.281	0.826	-0.290	0.310	0.748
Scotland	-	-	-	-0.761**	0.244	0.498	-0.625*	0.266	0.535
Mode (ref: Paper)									
Online	-0.416***	0.116	0.660	-0.626***	0.121	0.535	-0.836***	0.133	0.433
Participation in Census (ref: No)									
Yes	-0.430**	0.111	0.650	-	-	-	-0.301*	0.139	0.740
How well know ONS (ref: New it well)									
Knew it somewhat	0.354	0.213	1.425	0.889**	0.327	2.433	0.494	0.283	1.640
Only heard the name	0.946***	0.217	2.576	1.703***	0.324	5.491	1.241***	0.279	3.458
Not heard of it	1.299***	0.218	3.9667	1.982***	0.323	7.257	1.512***	0.281	4.536

Note: *** $p < 0.001$; ** $p < 0.01$; * $p < 0.05$; Ref.: reference category.

Table A4: Results of Binary Logistic Regression Modelling – Pooled Data (Controlling for Year of the Survey)

Variable and categories	Accuracy (N=6729)			Trust (N=6936)			Confidentiality (N=7087)		
	β	SE	OR	β	SE	OR	β	SE	OR
Intercept	-1.746***	0.144	-	-2.594***	0.174		-2.810***	0.144	-
Age (ref: 18-34)									
35-44	0.077	0.125	1.080	0.017	0.153	1.017	-	-	-
45-54	0.408**	0.119	1.504	0.395**	0.143	1.485	-	-	-
55-64	0.640***	0.119	1.897	0.747***	0.140	2.112	-	-	-
65+	0.771***	0.115	2.162	0.884***	0.136	2.420	-	-	-
Religion (ref: No religion)									
Christian	-0.233**	0.068	0.792	-0.279***	0.079	0.757	-	-	-
Other religion	-0.321*	0.160	0.725	-0.241	0.186	0.786	-	-	-
Economic activity (ref: Employed)									
Self-employed	-	-	-	-	-	-	0.432*	0.162	1.540
Retired	-	-	-	-	-	-	0.335***	0.095	1.398
Unemployed	-	-	-	-	-	-	0.022	0.221	1.022
Other	-	-	-	-	-	-	0.003	0.174	1.003
Education (ref: Degree or above)									
A-levels	0.081	0.096	1.085	0.227	0.114	1.254	-	-	-
Below A-levels	0.278***	0.080	1.321	0.461***	0.093	1.585	-	-	-
No qualification	0.429***	0.103	1.535	0.655***	0.115	1.924	-	-	-
Tenure (ref: Own)									
Rent	0.285***	0.076	1.329	0.292**	0.087	1.339	-	-	-
Other/no information	0.536*	0.223	1.710	0.066	0.286	1.068	-	-	-
Participation in Census (ref: No)									
Yes	-0.195**	0.071	0.823	-0.188*	0.082	0.829	-	-	-
How well know ONS (ref: Knew it well)									
Knew it somewhat	0.190*	0.092	1.209	0.280*	0.115	1.323	0.097	0.130	1.101
Only heard the name	0.530***	0.099	1.698	0.727***	0.120	2.069	0.468***	0.133	1.597
Not heard of it	0.868***	0.138	2.382	1.330***	0.157	3.782	0.878***	0.157	2.405
Year (ref: 2014)									
2016	-0.264**	0.097	0.768	-0.191	0.111	0.827	-	-	-
2018	-0.224*	0.097	0.799	-0.297**	0.114	0.743	-	-	-
2021	-0.729***	0.091	0.482	-0.636***	0.105	0.529	-	-	-

Note: *** $p < 0.001$; ** $p < 0.01$; * $p < 0.05$

Table A5: Tetrachoric Correlations

	Accuracy	Trust	Confidentiality
Accuracy	1.000***	0.809***	0.607***
Trust	0.809***	1.000***	0.627***
Confidentiality	0.607***	0.627***	1.000***

Note: *** $p < 0.001$; ** $p < 0.01$; * $p < 0.05$

Figure A1: Multiple Correspondence Analysis: Discrimination Measures Plot

