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Appendix

Table A1: Places in the Google Tier 1 UK Geography

England	Scotland	Wales	Northern Ireland
Bath and North-East Somerset	Aberdeen City	Blaenau Gwent	Antrim and Newtownabbey
Bedford	Aberdeenshire	Bridgend County Borough	Ards and North Down
Blackburn with Darwen	Angus Council	Caerphilly County Borough	Armagh City, Banbridge and Craigavon
Blackpool	Argyll and Bute Council	Cardiff	Belfast
Borough of Halton	Clackmannanshire	Carmarthenshire	Causeway Coast and Glens
Bracknell Forest	Dumfries and Galloway	Ceredigion	Derry and Strabane
Brighton and Hove	Dundee City Council	Conwy Principal Area	Fermanagh and Omagh
Bristol City	East Ayrshire Council	Denbighshire	Lisburn and Castlereagh
Buckinghamshire	East Dunbartonshire Council	Flintshire	Mid and East Antrim
Cambridgeshire	East Lothian Council	Gwynedd	Mid Ulster
Central Bedfordshire	East Renfrewshire Council	Isle of Anglesey	Newry, Mourne and Down
Cheshire East	Edinburgh	Merthyr Tydfil County Borough	
Cheshire West and Chester	Falkirk	Monmouthshire	
Cornwall	Fife	Neath Port Talbot Principal Area	
County Durham	Glasgow City	Newport	
Cumbria	Highland Council	Pembrokeshire	
Darlington	Inverclyde	Powys	
Derby	Midlothian	Rhondda Cynon Taff	
Derbyshire	Moray	Swansea	
Devon	Na hEileanan an Iar	Torfaen Principal Area	
Dorset	North Ayrshire Council	Vale of Glamorgan	
East Riding of Yorkshire	North Lanarkshire	Wrexham Principal Area	
East Sussex	Orkney		
Essex	Perth and Kinross		
Gloucestershire	Renfrewshire		
Greater London	Scottish Borders		
Greater Manchester	Shetland Islands		

Hampshire	South Ayrshire Council		
Hartlepool	South Lanarkshire		
Herefordshire	Stirling		
Hertfordshire	West Dunbartonshire Council		
Isle of Wight	West Lothian		
Kent			
Kingston upon Hull			
Lancashire			
Leicester			
Leicestershire			
Lincolnshire			
Luton			
Medway			
Merseyside			
Middlesbrough			
Milton Keynes			
Norfolk			
Northamptonshire			
North-East Lincolnshire			
North Lincolnshire			
North Somerset			
Northumberland			
North Yorkshire			
Nottingham			
Nottinghamshire			
Oxfordshire			
Peterborough			
Plymouth			
Portsmouth			
Reading			

Redcar and Cleveland			
Rutland			
Shropshire			
Slough			
Somerset			
Southampton			
Southend-on-Sea			
South Gloucestershire			
South Yorkshire			
Staffordshire			
Stockton-on-Tees			
Stoke-on-Trent			
Suffolk			
Surrey			
Swindon			
Thurrock			
Torbay			
Tyne and Wear			
Warrington			
Warwickshire			
West Berkshire			
West Midlands			
West Sussex			
West Yorkshire			
Wiltshire			
Windsor and Maidenhead			
Wokingham			
Worcestershire			
York			

Table A2: explanatory variable descriptive statistics

	Min	Max	Mean
England	0	1	0.57
Scotland	0	1	0.21
Wales	0	1	0.15
Northern Ireland	0	1	0.07
NVQ4	23.70	65.40	41.09
SEPC	4.50	18.00	9.44
StringencyIndex	11.11	87.96	61.62
CET	-1.70	25.10	11.05
Christmas 2020	0	1	
New Year's Eve 2020	0	1	
New Year's Day 2021	0	1	
Easter 2020	0	1	
Easter 2021	0	1	
May Day 2020	0	1	
May Day 2021	0	1	
Late May BH 2020	0	1	
Late May BH 2021	0	1	
August BH 2020	0	1	
August BH 2021	0	1	
Scottish August BH 2020	0	1	
St Andrew's Day 2020	0	1	
Scottish New Year BH 2021	0	1	
Scottish August BH 2021	0	1	
St Andrew's Day 2021	0	1	
St Patrick's Day 2020	0	1	
Boyne BH 2020	0	1	
St Patrick's Day 2021	0	1	
Boyne BH 2021	0	1	
Cummings	0	1	
Saturday	0	1	
Sunday	0	1	
Monday	0	1	
Tuesday	0	1	
Wednesday	0	1	
Thursday	0	1	
Friday	0	1	

Table A3: Model coefficients – dependent variable workplace visits

	Null Model	S.E.	Model 1	S.E.	Model 2	S.E.	Model 3	S.E.	Model 4	S.E.	Model 5	S.E.
Response	Work		Work		Work		Work		Work		Work	
Fixed Part												
Cons	-32.227	0.363	-32.363	0.469	-16.280	1.294	23.708	1.309	23.450	1.307	36.837	1.327
Scotland			-1.155	0.900	2.734	0.577	2.697	0.576	2.723	0.576	3.434	0.587
Wales			1.420	1.039	0.374	0.608	0.329	0.607	0.335	0.607	0.304	0.619
Northern Ireland			2.381	1.392	3.401	0.813	3.386	0.812	3.389	0.812	3.474	0.828
NVQ4					-0.490	0.029	-0.489	0.029	-0.489	0.029	-0.505	0.029
SEPC					0.348	0.080	0.348	0.080	0.350	0.080	0.392	0.082
Stringency Index							-0.605	0.003	-0.580	0.003	-0.570	0.002
CET							-0.025	0.001	-0.029	0.001	-0.024	0.001
Christmas 2020									-28.501	0.652	-29.461	0.463
New Year's Eve 2020									-29.056	1.124	-22.905	0.800
New Year's Day 2021									-44.232	1.123	-38.885	0.799
Easter 2020									-25.515	0.565	-30.457	0.402
Easter 2021									-10.490	0.566	-14.995	0.402
May Day 2020									-31.330	1.121	-26.674	0.797
May Day 2021									-40.074	1.119	-32.735	0.797
Late May BH 2020									-28.277	1.179	-17.555	0.839
Late May BH 2021									-30.979	1.119	-24.001	0.797
August BH 2020									-6.305	1.189	-0.812	0.846
August BH 2021									-13.133	1.120	-6.714	0.797
St Andrew's Day 2020									0.590	1.119	7.855	0.797
Scottish August BH 2020									-8.932	1.120	-2.010	0.797
Scottish New Year BH 2021									-9.997	1.121	-2.613	0.798
St Andrew's Day 2021									-4.787	1.121	1.993	0.798
Scottish August BH 2021									-17.631	1.120	-10.473	0.797

St Patrick's Day 2020									-7.336	1.123	-0.470	0.800
St Patrick's Day 2021									0.954	1.120	6.835	0.797
Boyne BH 2020									-12.878	1.119	-5.937	0.797
Boyne BH 2021									24.055	1.134	6.899	0.807
Cummings									-7.157	0.381	-10.947	0.270
Sunday											2.673	0.118
Monday											-21.621	0.119
Tuesday											-20.825	0.118
Wednesday											-20.310	0.117
Thursday											-20.190	0.117
Friday											-19.470	0.117
Random Part												
Level: ID2 : Area												
Var(Cons)	19.370	2.289	18.399	2.174	5.914	0.737	6.068	0.735	6.096	0.735	6.501	0.765
Level: ID1												
Var(Cons)	324.221	1.459	324.221	1.459	324.221	1.459	210.625	0.948	188.651	0.849	94.658	0.426
Units: ID2 : Area	151		151		151		151		151		151	
Units: ID1	98861		98861		98861		98861		98861		98861	
-2*loglikelihood:	852670.08		852662.51		852499.26		809920.67		799044.58		730977.24	
Change ¹	n/a		7		163		42,579		10876		68067	

n.b. All estimates set in bold are statistically significant ($p < 0.05$).

¹ Improvements in model fit were tested using change in deviance, number of extra parameters (degrees of freedom) and a chi-square test. Each model modification resulted in statistically significant improvement in model fit (indicated by bold font).

Table A4: Model coefficients – dependent variable transit station visits

	Null Model	S.E.	Model 1	S.E.	Model 2	S.E.	Model 3	S.E.	Model 4	S.E.	Model 5	S.E.
Response	Transit		Transit		Transit		Transit		Transit		Transit	
Fixed Part												
Cons	-34.208	0.927	-34.048	1.227	-24.576	4.877	14.095	4.771	14.253	4.732	15.766	4.732
Scotland			-0.421	2.365	6.741	2.195	8.273	2.137	8.751	2.120	8.933	2.119
Wales			-0.871	2.706	-2.116	2.280	-2.094	2.229	-2.105	2.211	-2.050	2.211
Northern Ireland			0.770	3.633	2.730	3.058	1.663	2.986	1.840	2.961	1.905	2.960
NVQ4					-0.666	0.108	-0.683	0.106	-0.697	0.105	-0.698	0.105
SEPC					1.742	0.303	1.782	0.296	1.809	0.294	1.805	0.294
Stringency Index							-0.772	0.003	-0.759	0.002	-0.757	0.002
CET							0.083	0.001	0.081	0.001	0.082	0.001
Christmas 2020									-16.106	0.640	-16.149	0.633
New Year's Eve 2020									-5.558	1.099	-3.710	1.089
New Year's Day 2021									-24.563	1.092	-24.839	1.081
Easter 2020									-20.531	0.550	-22.157	0.543
Easter 2021									-5.002	0.556	-6.493	0.550
May Day 2020									-17.517	1.089	-17.989	1.078
May Day 2021									-16.565	1.098	-16.259	1.088
Late May BH 2020									-5.705	1.153	-4.728	1.142
Late May BH 2021									5.360	1.099	5.563	1.088
August BH 2020									1.908	1.604	3.568	1.585
August BH 2021									-2.164	1.103	-0.701	1.092
St Andrew's Day 2020									-2.632	1.094	-2.349	1.084
Scottish August BH 2020									13.242	1.099	13.431	1.089
Scottish New Year BH 2021									-3.820	1.089	-3.515	1.079
St Andrew's Day 2021									-0.179	1.104	1.389	1.093
Sctottish August BH 2021									-0.330	1.099	-0.080	1.089

St Patrick's Day 2020									-17.027	1.099	-15.441	1.089
St Patrick's Day 2021									4.739	1.091	7.468	1.081
Boyne BH 2020									1.056	1.099	1.249	1.089
Boyne BH 2021									22.553	1.118	18.043	1.107
Cummings									-5.845	0.372	-6.633	0.367
Sunday											2.720	0.162
Monday											-2.020	0.164
Tuesday											-3.219	0.162
Wednesday											-4.492	0.161
Thursday											-3.508	0.161
Friday											-1.409	0.161
Random Part												
Level: ID2 : Area												
Var(Cons)	127.488	14.993	127.340	14.848	89.273	10.443	85.702	9.887	84.335	9.799	84.283	9.791
Level: ID1												
Var(Cons)	423.966	1.957	423.966	1.961	423.977	1.961	182.443	0.844	174.480	0.807	169.536	0.784
Units: ID2 : Area	150		150		150		150		150		150	
Units: ID1	93641		93641		93641		93641		93641		93641	
-2*loglikelihood:	833015.888		833015.694		832965.593		754122.845		749947.836		747260.253	
Change ²	n/a		0.2		50		78842		4175		2687	

n.b. All estimates set in bold are statistically significant (p<0.05).