OR61: Who Cares About What?
"Do Not Prorogue Parliament" PIP (P269157)

Authors:

Colin Stewart, More Metrics Ltd colin.stewart@moremetrics.co.uk

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PIP: "Do Not Prorogue Parliament (P269157)

Petition

Do not prorogue Parliament

Parliament must not be prorogued or dissolved unless and until the Article 50 period has been sufficiently extended or the UK's intention to withdraw from the EU has been cancelled.

Sign this petition

1,367,688 signatures

Show on a map   100,000

Parliament will consider this for a debate

Parliament considers all petitions that get more than 100,000 signatures for a debate

Waiting for 1 day for a debate date

Government will respond

Government responds to all petitions that get more than 10,000 signatures

Waiting for 1 day for a government response

Share this petition

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Created by
Mark Johnston

Deadline
15 February 2020

All petitions run for 6 months

- Data for the PIP extracted on the morning of 29/08/2019. Number of signatures at that time point totalled 1,159,031

- PIP report produced using the method outlined in the full OR conference presentation

- Following slides show results from the PIP
  - Petition map overview (Constituency)
  - Country and Party of MP by petition quintile (Constituency)
  - Region by petition quintile (Constituency)
  - Petition rate by Vote share quintile for each party (Constituency)
  - Petition rate by English Deprivation quintiles split by domain (LSOA)
  - Various neighbourhood profiles (OA)

Constituency Analysis: The petition map overveiw for P269157

The bubble size reflects the percentage of the constituency population who have signed this petition as at 29/08/2019 when the signature total was 1,159,031. This raw petition rate varies between 0.3% and 7.8%
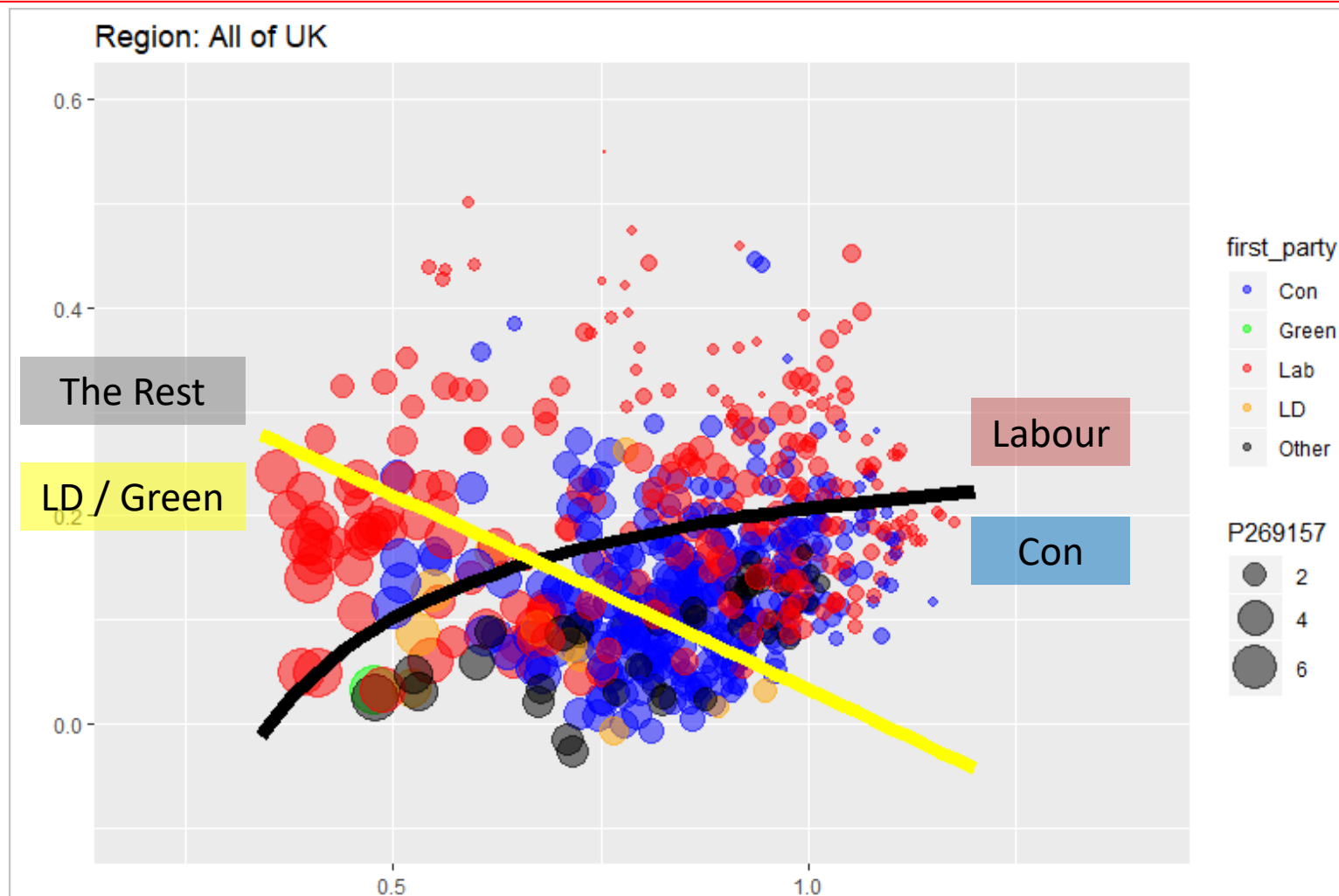
Notes:
1. Position represents the 64 petition weighted average XY co-ordinates for each constituency. Parties are as at the 2017 election result
2. Colour represents the winning party and the bubble size the percentage of the population (aged 16 and over) signing petition P269157
3. The classification lines are found using logistic regression (Con=1, Lab=0 and Lib Dems/Green =1, The Rest =0) with X and Y values as estimators including an X*Y crossed term

Do Not Prorogue Parliament (P269157)- PIP Table 1 Country and Party of MP

Main Takeout: High concern in Scotland is across all parties. Labour's U-shaped profile in England reflects its polarised Brexit position

PIP Table 1: Consitiuencies by Petition Quintile by Country by Party

	Petition Quintile				
England	**1 - Low**	**2**	**3**	**4**	**5 - High**
Conservative	52	71	79	66	28
Green	0	0	0	0	1
Lab	76	41	25	29	56
LD	0	0	3	1	4
Spk	0	0	0	1	0
Northern Ireland	**1 - Low**	**2**	**3**	**4**	**5 - High**
DUP	0	2	4	3	1
Sinn Fein	0	0	0	3	4
Independent	0	0	0	1	0
Scotland	**1 - Low**	**2**	**3**	**4**	**5 - High**
Conservative	0	1	3	4	5
Labour	0	0	0	3	4
Liberal Democrats	0	0	1	1	2
SNP	0	0	3	13	19
Wales	**1 - Low**	**2**	**3**	**4**	**5 - High**
Conservative	0	1	5	1	1
Labour	2	14	6	2	4
Plaid Cymru	0	0	1	2	1
UK Total	130	130	130	130	130

U- shaped profile for Labour Constituencies in England

High levels of concern across Scotland is seen for all parties

Notes

1) Values in table are the number of Constituencies

2) Parties are as at 2017 General Election

3) Traffic lights are based on values in each row (green = low, red=high)

4) Petition rates used to calculate quintiles are adjusted for location bias

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Do Not Prorogue Parliament (P269157)- PIP Table 2 Region by petition quintile

Main Takeout: Concern levels for this petition are highest in Scotland and London

PIP Table 2: Consitiuencies by Petition Quintile by Region					
	Petition Quintile				
	1 - Low	2	3	4	5 - High
North East	14	7	3	4	1
North West	23	24	14	12	2
Yorkshire	22	10	7	9	6
East Midlands	12	19	7	6	2
West Midlands	26	12	8	10	3
East of England	16	12	18	6	6
London	7	3	8	11	44
South East	7	11	24	25	17
South West	1	14	18	14	8
England	**128**	**112**	**107**	**97**	**89**
Northern Ireland	**0**	**2**	**4**	**7**	**5**
Scotland	**0**	**1**	**7**	**21**	**30**
Wales	**2**	**15**	**12**	**5**	**6**
UK Total	**130**	**130**	**130**	**130**	**130**

Higher Concern levels seen in London and Scotland

Notes

1) Values in table are the number of Constituencies

2) Parties are as at 2017 General Election

3) Traffic lights are based on values in each row (green = low, red=high)

4) Petition rates used to calculate quintiles are adjusted for location bias

Do Not Prorogue Parliament (P269157)- PIP Table 3 Vote Share by Party

Main Takeout: Lib Dems and UKIP voters most closely associated with this petition (in opposite directions)

PIP Table 3: Indexed Petition rate by Vote Share Quintile

Party	Vote Share Quintile				
	1 - Low	2	3	4	5 - High
Con	1.4	0.92	0.95	0.88	0.84
DUP	1.44	1.59	0.9	1.01	0.81
Green	0.75	0.91	0.89	1.12	1.32
Lab	1.08	0.96	0.94	0.79	1.2
LD	0.61	0.86	1.02	1.21	1.27
PC	1.15	0.88	0.7	0.91	0.89
SF	0.99	1.19	1.08	1.24	1.28
SNP	1.65	1.57	1.3	1.29	1.44
UKIP	1.53	0.94	0.83	0.61	0.51

Lib Dems have a monotonic upward trend across the quintiles

UKIP have a monotonic downward trend across the quintiles

Notes

1) Values in table are indexed petition rates (1 = UK average)

2) Parties are as at 2017 General Election

3) Traffic lights are based on values in whole table (green = low, red=high)

4) Petition rates used to calculate indexed values are adjusted for location bias

Do Not Prorogue Parliament (P269157)- PIP Table 4 English Deprivation Indices

Main Takeout: Environment Domain suggests remote rural / farming communities in England are concerned. The Education Domain result suggests higher qualified communities (e.g. University towns) in England are also concerned

PIP Table 4: Indexed Petition rate by Deprivation Quintile By Domain					
	English Deprivation Domain Quintile				
Deprivation	1 - Low	2	3	4	5 - High
IMD	1.2	1.09	1.02	0.95	0.74
Income	1.28	1.08	1	0.91	0.73
Employment	1.39	1.09	1	0.88	0.64
Education	1.63	1.16	0.94	0.73	0.54
Health	1.3	1.09	1.01	0.91	0.68
Crime	1.02	0.98	0.96	0.98	1.07
Housing	0.87	0.92	0.96	1.06	1.19
Environment	0.81	0.81	0.87	1.1	1.41

Concern is inversely associated with Education deprivation

Concern is positively associated with Environment deprivation

Notes

1) Values in table are indexed petition rates for England (1 = English average)

2) Traffic lights are based on values in whole table (green = low, red=high)

3) Petition rates used to calculate indexed values are adjusted for location bias
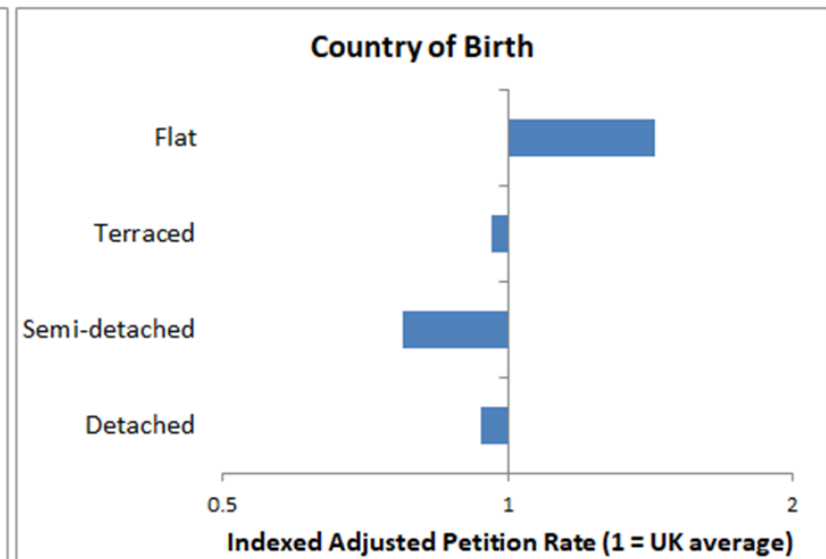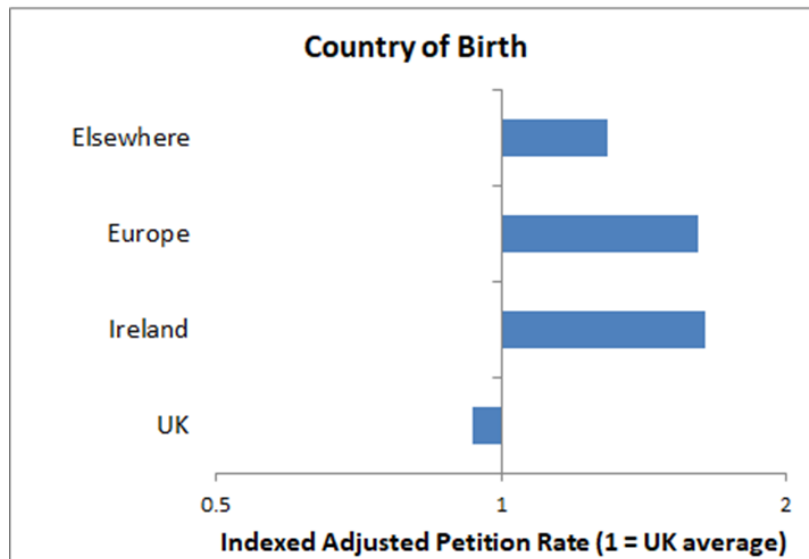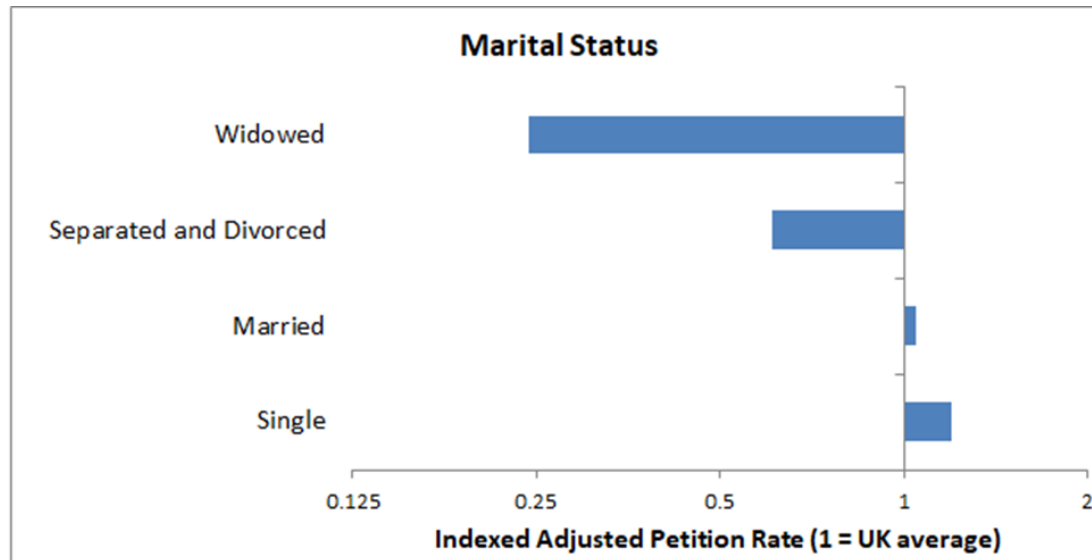
Do Not Prorogue Parliament (P269157)- PIP Neighbourhood Profile
Main Takeout: Neighbourhoods with a younger age and higher social class profile are most concerned
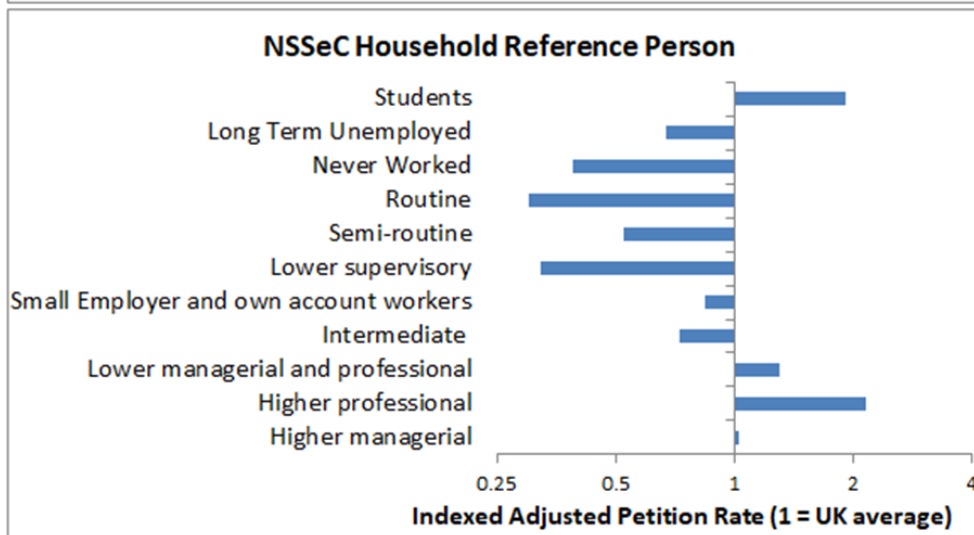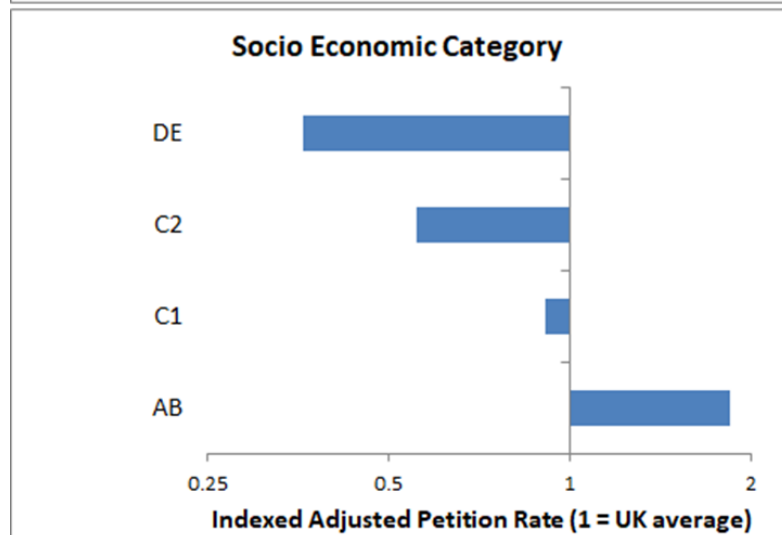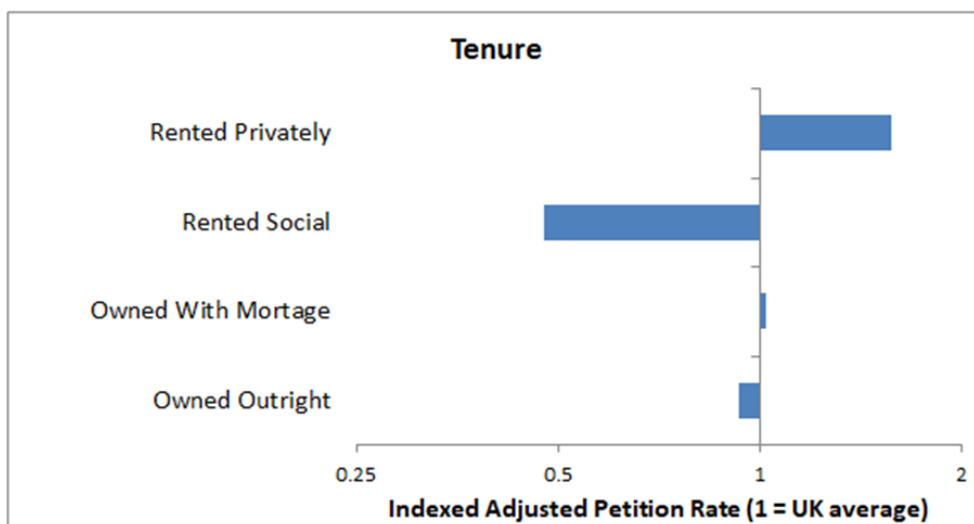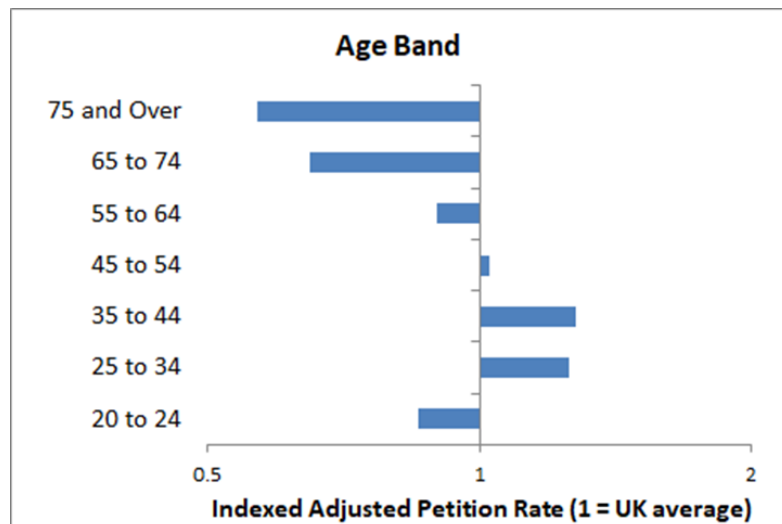
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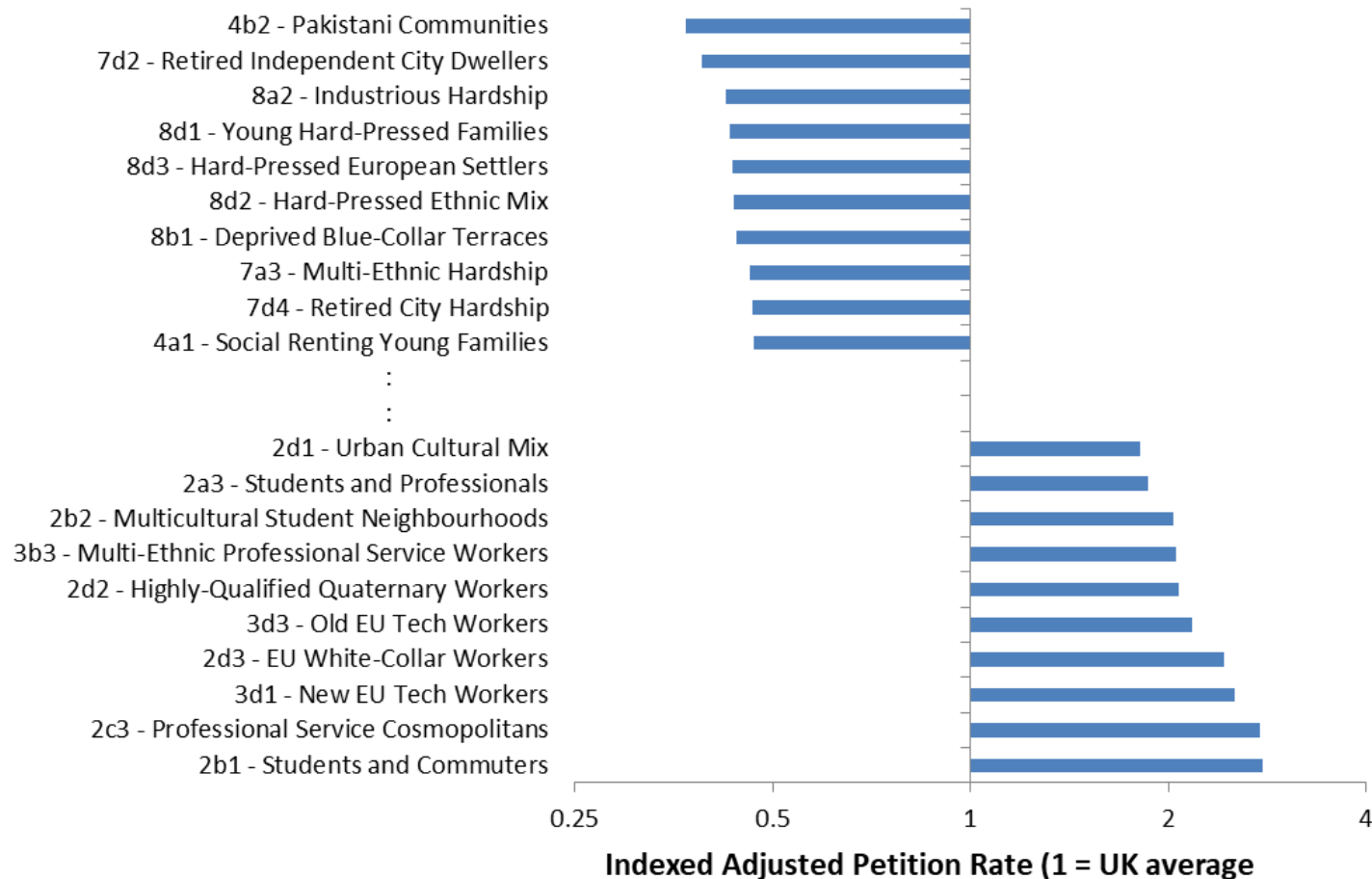# Do Not Prorogue Parliament (P269157)- PIP Neighbourhood Profile

Main Takeout: Neighbourhoods with people born overseas, singles and flat-dwellers are most concerned.

Do Not Prorogue Parliament (P269157)- PIP Neighbourhood Profile
Main Takeout: Younger, student / professional and qualified non-UK neighbourhoods are most concerned

Output Area Classification 10 Top and Bottom Categories

Category	
4b2 - Pakistani Communities	
7d2 - Retired Independent City Dwellers	
8a2 - Industrious Hardship	
8d1 - Young Hard-Pressed Families	
8d3 - Hard-Pressed European Settlers	
8d2 - Hard-Pressed Ethnic Mix	
8b1 - Deprived Blue-Collar Terraces	
7a3 - Multi-Ethnic Hardship	
7d4 - Retired City Hardship	
4a1 - Social Renting Young Families	
:	
:	
2d1 - Urban Cultural Mix	
2a3 - Students and Professionals	
2b2 - Multicultural Student Neighbourhoods	
3b3 - Multi-Ethnic Professional Service Workers	
2d2 - Highly-Qualified Quaternary Workers	
3d3 - Old EU Tech Workers	
2d3 - EU White-Collar Workers	
3d1 - New EU Tech Workers	
2c3 - Professional Service Cosmopolitans	
2b1 - Students and Commuters	

0.25   0.5   1   2   4

Indexed Adjusted Petition Rate (1 = UK average

For more information on Output Area Classifications 2011 including access to pen portraits:
https://www.ons.gov.uk/methodology/geography/geographicalproducts/areaclassifications/2011areaclassifications