

OAC Bar Plots

This documents displays bar plots for the 60 Census variables used to derive the 2011 Area Classification for Output Areas (2011 OAC). The classification places each UK Output Area or Small Area, as defined following the 2011 UK Census, into clusters with those other Output Areas or Small Areas that are most similar in terms of census variables. This enables similar areas to be classified according to their particular combination of characteristics. For more information about the methodology used to produce the 2011 OAC, see the [ONS Methodology Note](#).

Bar plots are presented for each of the 8 Supergroups, 26 Groups and 76 Subgroups that comprise the 2011 OAC. Each bar displays the value for each one of the 60 standardised and transformed 2011 Census variables used. So, bars with positive values represent variables that have a higher value than the standardised UK mean or the standardised parent cluster mean. A parent cluster refers to a Supergroup or Group in which a given Group or Subgroup belongs. For example the parent cluster for the Group 1a – ‘Farming Communities’ is the Supergroup 1- ‘Rural Residents’, and the parent cluster for the Subgroup 1a1 – ‘Rural Workers and Families’ is the Group 1a – ‘Farming Communities’. Data points with negative values represent variables that have a lower value than the standardised UK mean or the standardised parent cluster mean.

On each bar plot, zero represents both the standardised UK mean and the standardised parent cluster mean. Therefore, bars with positive values represent variables that have a higher value than the standardised UK mean or the standardised parent cluster mean, while bars with negative values represent variables that have a lower value than the standardised UK mean or the standardised parent cluster mean. The numbers on horizontal axis represent the 60 final 2011 UK Census variables used to create the 2011 OAC. A lookup for these numbers is provided in this document.

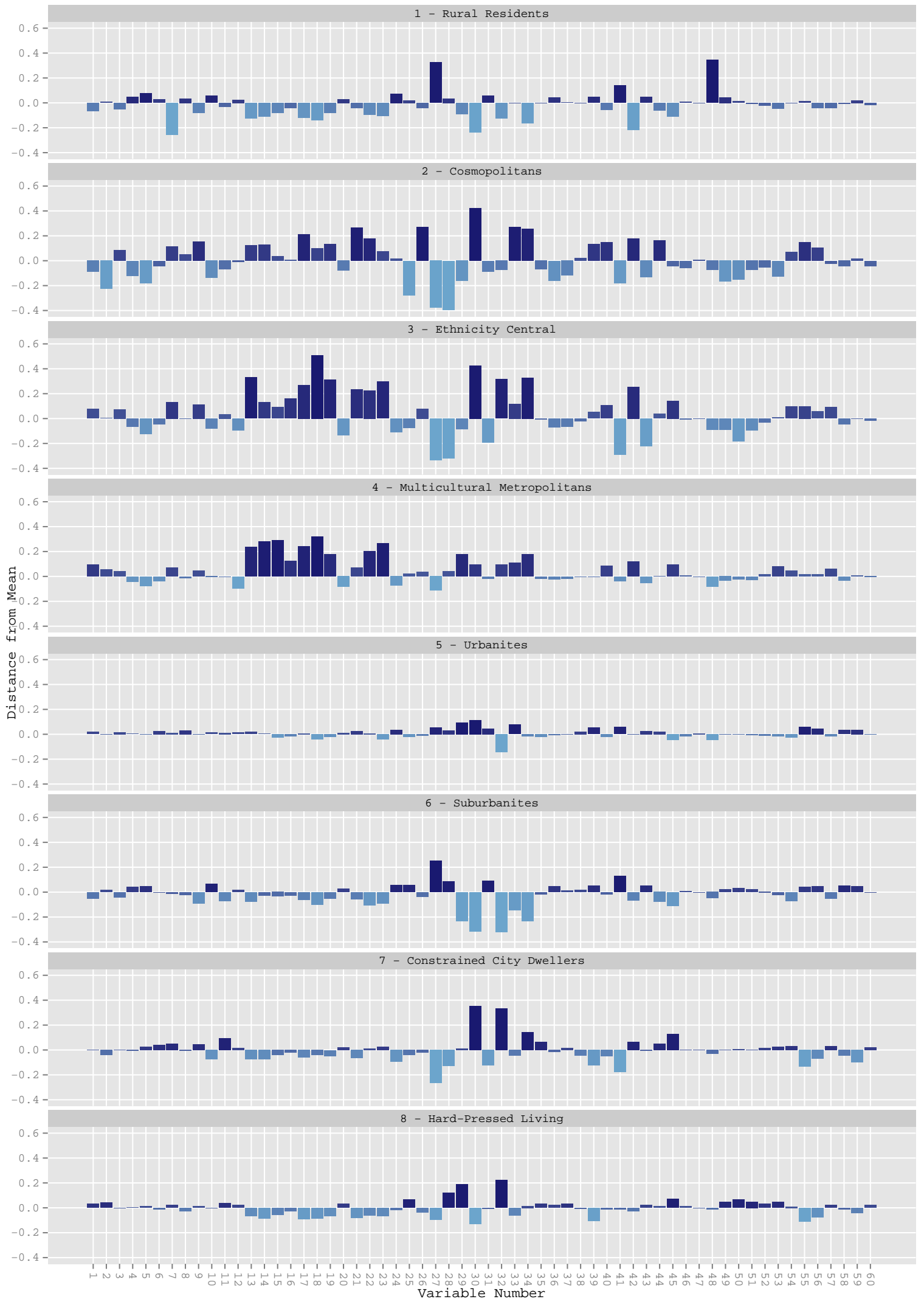
For Supergroups, there are no parent clusters and so zero values represent the standardised UK mean only. For bar plots showing Groups and Subgroups, there are

two outputs. The first represents the difference between the standardised values of 2011 Census variables for Output Areas and Small Areas within a given Group or Subgroup, and the value of the standardised parent cluster mean. For each cluster the bar with the positive value furthest from the mean is assigned the lightest shade, and the bar with the negative value furthest from the mean is assigned the darkest shade. The second output represents the difference between the standardised values of Census variables and the standardised UK mean for each variable. For each cluster, the bar with the positive value furthest from the mean is assigned the darkest shade and the bar with the negative value furthest from the mean is assigned the lightest shade.

2011 Area Classification for Output Areas (2011 OAC) Variables

Number	Code	Variable Name
1	k001	% Persons aged 0 to 4
2	k002	% Persons aged 5 to 14
3	k003	% Persons aged 25 to 44
4	k004	% Persons aged 45 to 64
5	k005	% Persons aged 65 to 89
6	k006	% Persons aged 90 and over
7	k007	Number of persons per hectare
8	k008	% Persons living in a communal establishment
9	k009	% Persons aged over 16 who are single
10	k010	% Persons aged over 16 who are married or in a registered same-sex civil partnership
11	k011	% Persons aged over 16 who are divorced or separated
12	k012	% Persons who are white
13	k013	% Persons who have mixed ethnicity or are from multiple ethnic groups
14	k014	% Persons who are Asian/Asian British: Indian
15	k015	% Persons who are Asian/Asian British: Pakistani
16	k016	% Persons who are Asian/Asian British: Bangladeshi
17	k017	% Persons who are Asian/Asian British: Chinese and Other
18	k018	% Persons who are Black/African/Caribbean/Black British
19	k019	% Persons who are Arab or from other ethnic groups
20	k020	% Persons whose country of birth is the United Kingdom or Ireland
21	k021	% Persons whose country of birth is in the old EU (pre 2004 accession countries)
22	k022	% Persons whose country of birth is in the new EU (post 2004 accession countries)
23	k023	% Persons whose main language is not English and they cannot speak English well or at all
24	k024	% Households with no children
25	k025	% Households with non-dependant children
26	k026	% Households with full-time students
27	k027	% Households who live in a detached house or bungalow
28	k028	% Households who live in a semi-detached house or bungalow
29	k029	% Households who live in a terrace or end-terrace house
30	k030	% Households who live in a flat
31	k031	% Households who own or have shared ownership of property
32	k032	% Households who are social renting
33	k033	% Households who are private renting
34	k034	% Households who have one fewer or less rooms than required
35	k035	Individuals day-to-day activities limited a lot or a little (Standardised Illness Ratio)
36	k036	% Persons providing unpaid care
37	k037	% Persons aged over 16 whose highest level of qualification is Level 1, Level 2 or Apprenticeship
38	k038	% Persons aged over 16 whose highest level of qualification is Level 3 qualifications
39	k039	% Persons aged over 16 whose highest level of qualification is Level 4 qualifications and above
40	k040	% Persons aged over 16 who are schoolchildren or full-time students
41	k041	% Households with two or more cars or vans
42	k042	% Persons aged between 16 and 74 who use public transport to get to work
43	k043	% Persons aged between 16 and 74 who use private transport to get to work
44	k044	% Persons aged between 16 and 74 who walk, cycle or use an alternative method to get to work
45	k045	% Persons aged between 16 and 74 who are unemployed
46	k046	% Employed persons aged between 16 and 74 who work part-time
47	k047	% Employed persons aged between 16 and 74 who work full-time
48	k048	% Employed persons aged between 16 and 74 who work in the agriculture, forestry or fishing industries
49	k049	% Employed persons aged between 16 and 74 who work in the mining, quarrying or construction industries
50	k050	% Employed persons aged between 16 and 74 who work in the manufacturing industry
51	k051	% Employed persons aged between 16 and 74 who work in the energy, water or air conditioning supply industries
52	k052	% Employed persons aged between 16 and 74 who work in the wholesale and retail trade; repair of motor vehicles and motor cycles industries
53	k053	% Employed persons aged between 16 and 74 who work in the transport or storage industries
54	k054	% Employed persons aged between 16 and 74 who work in the accommodation or food service activities industries
55	k055	% Employed persons aged between 16 and 74 who work in the information and communication or professional, scientific and technical activities industries
56	k056	% Employed persons aged between 16 and 74 who work in the financial, insurance or real estate industries
57	k057	% Employed persons aged between 16 and 74 who work in the administrative or support service activities industries
58	k058	% Employed persons aged between 16 and 74 who work in the in public administration or defence; compulsory social security industries
59	k059	% Employed persons aged between 16 and 74 who work in the education sector
60	k060	% Employed persons aged between 16 and 74 who work in the human health and social work activities industries

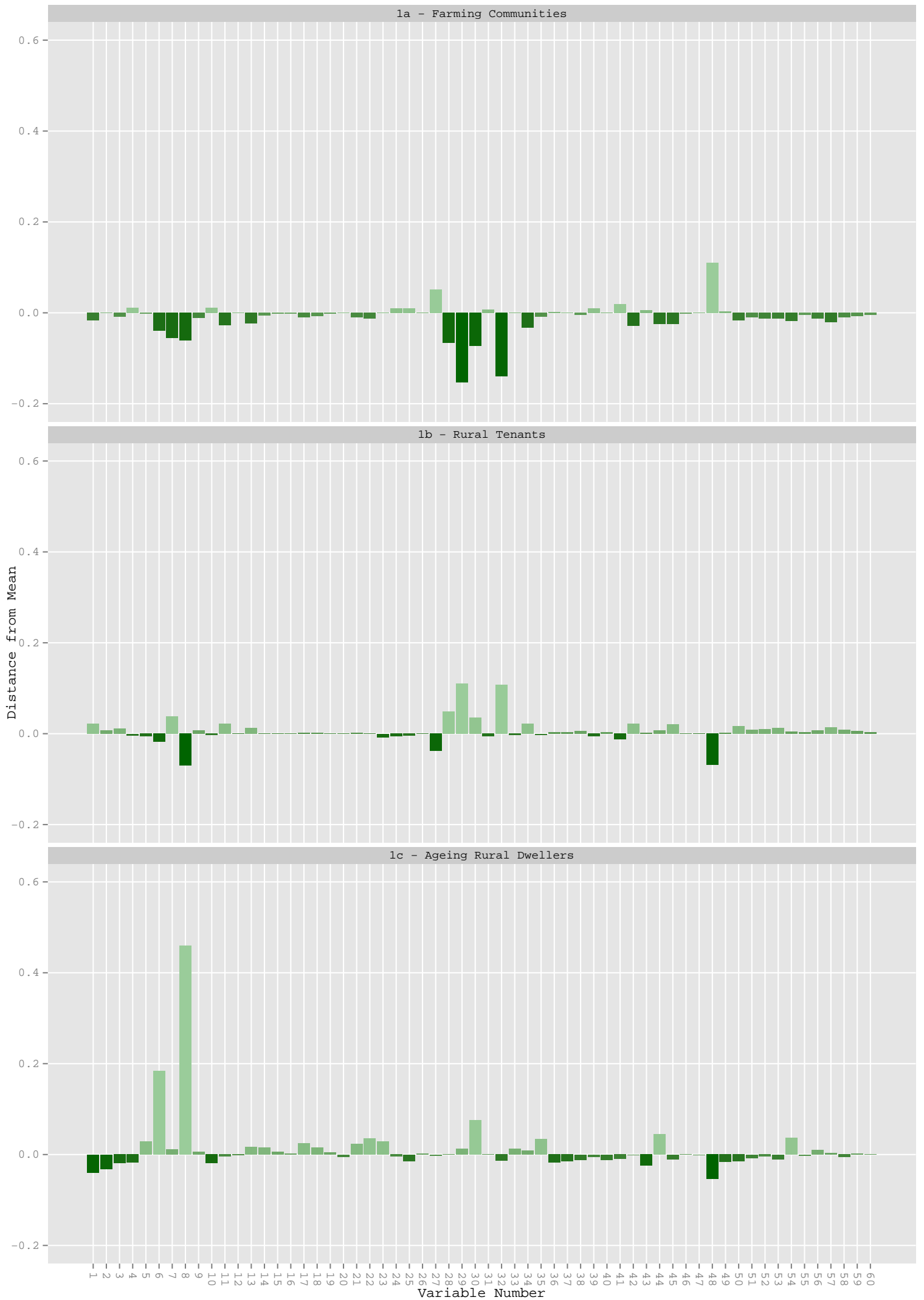
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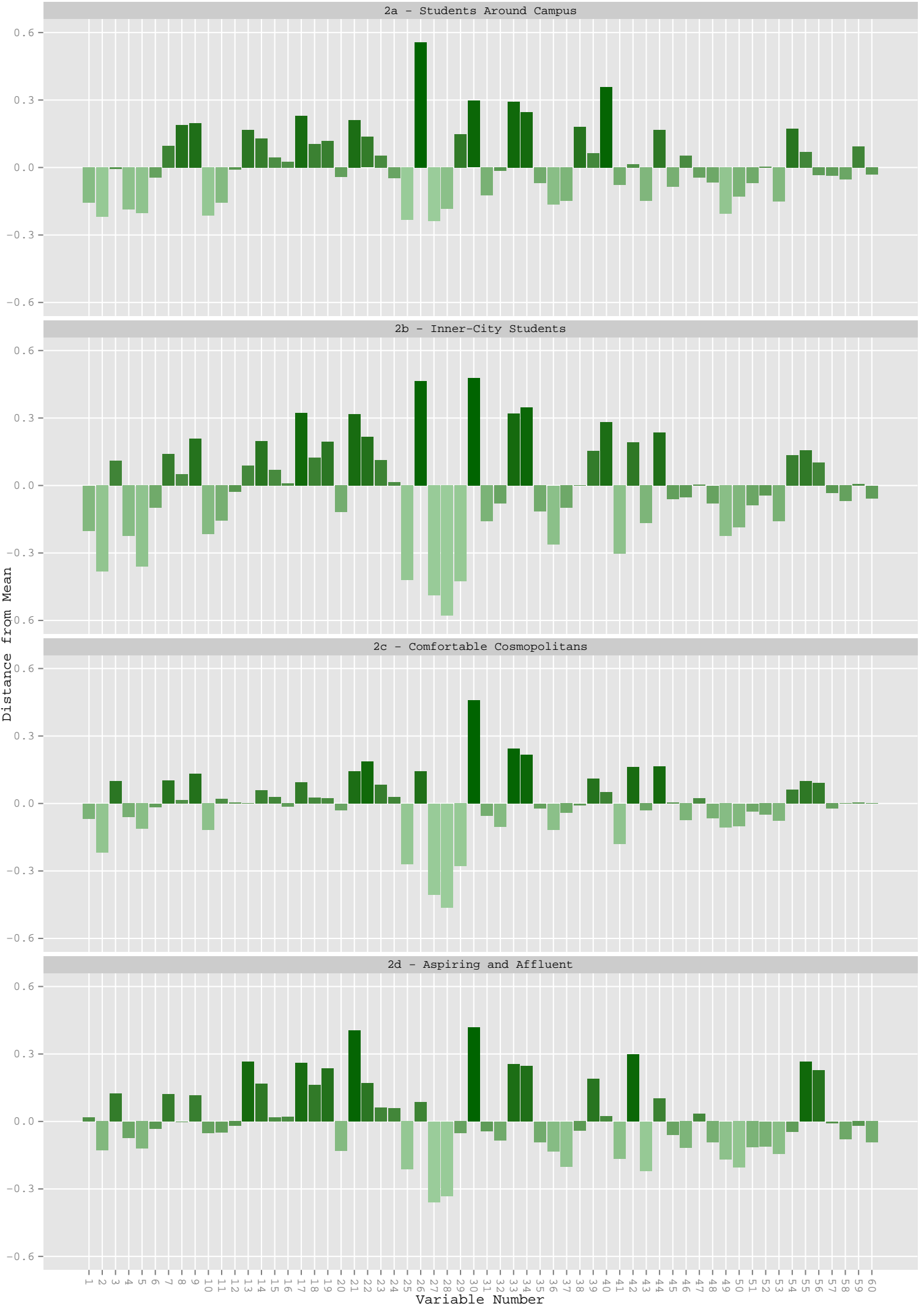
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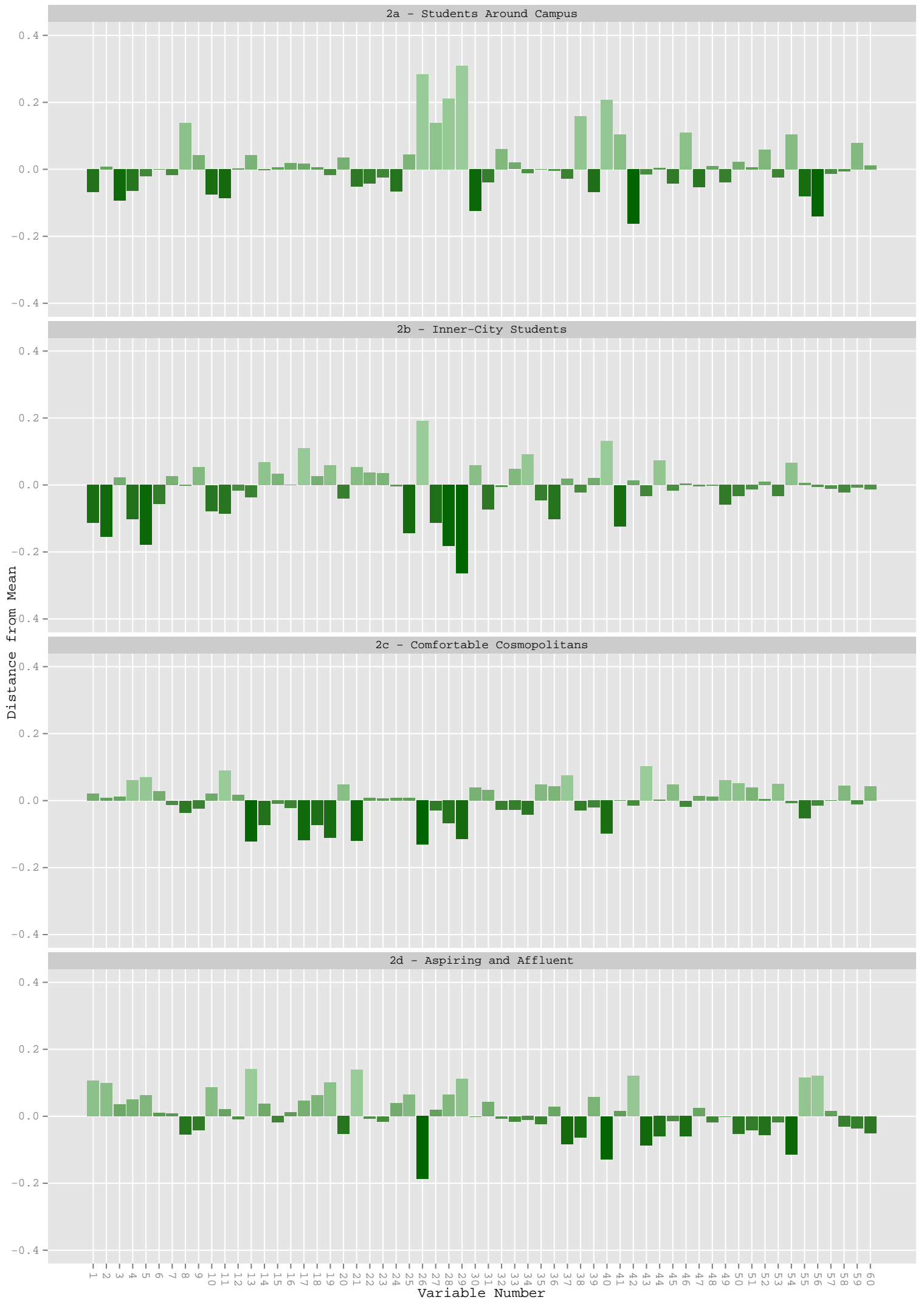
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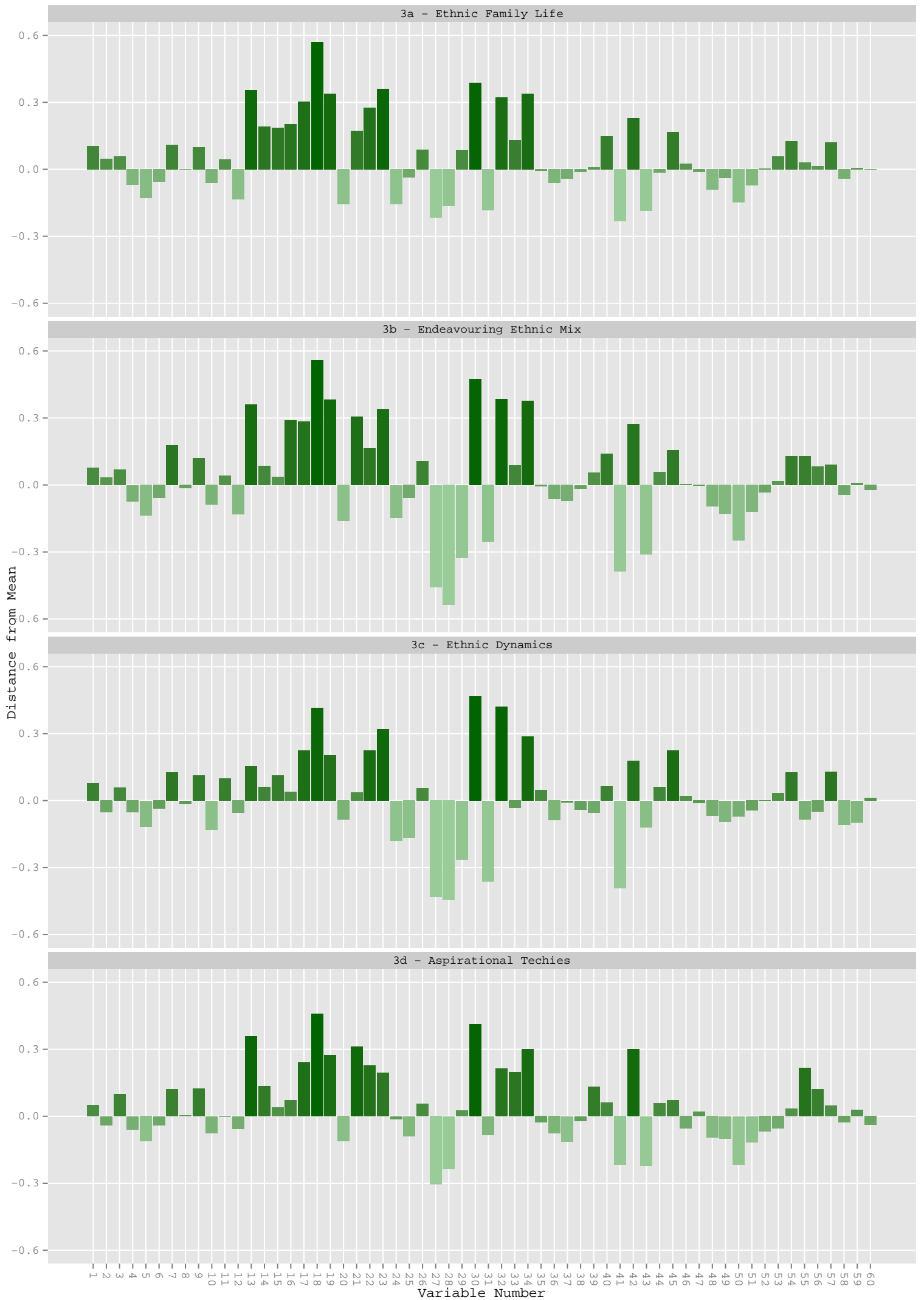
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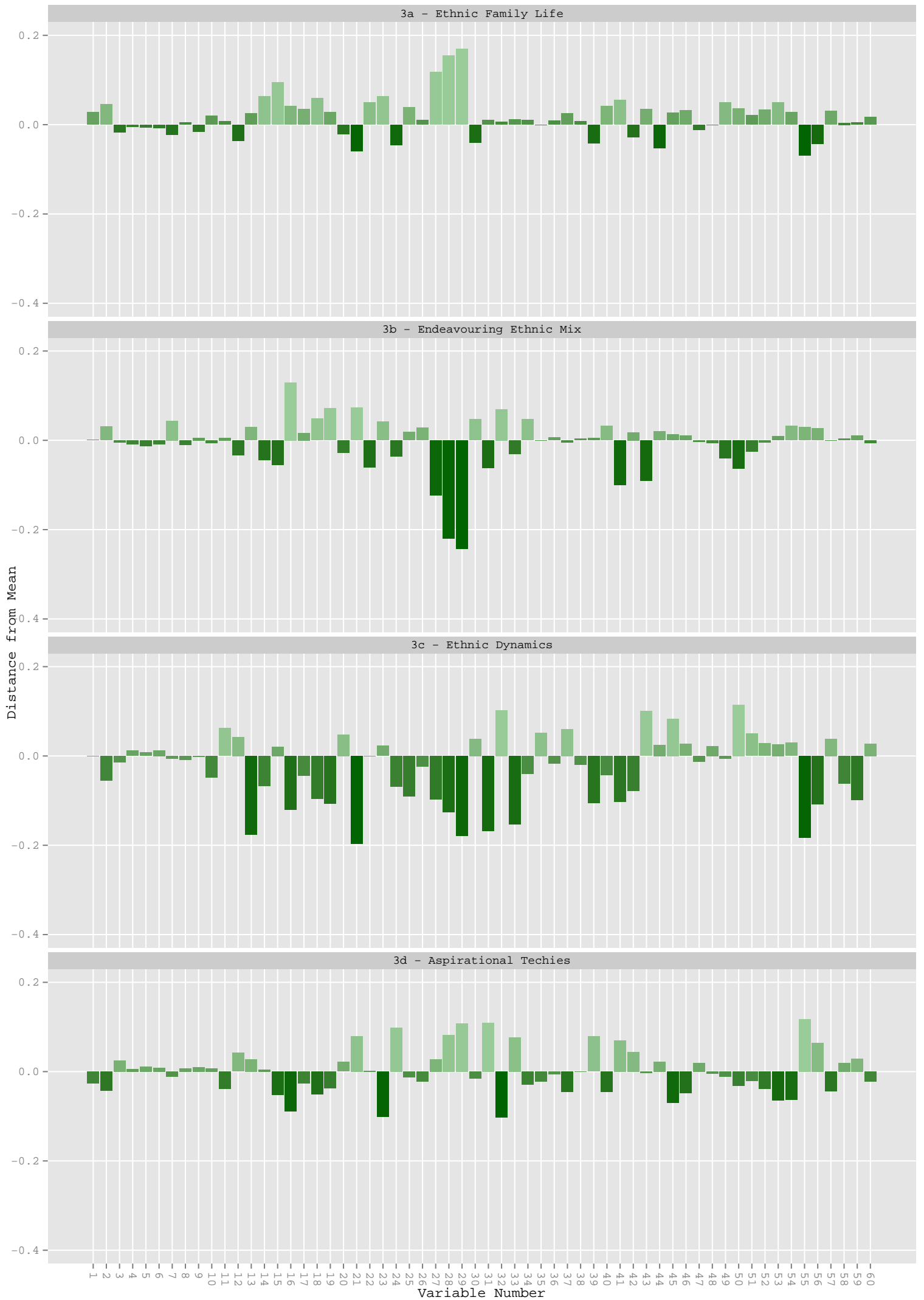
2011 OAC Groups - Parent Cluster Mean



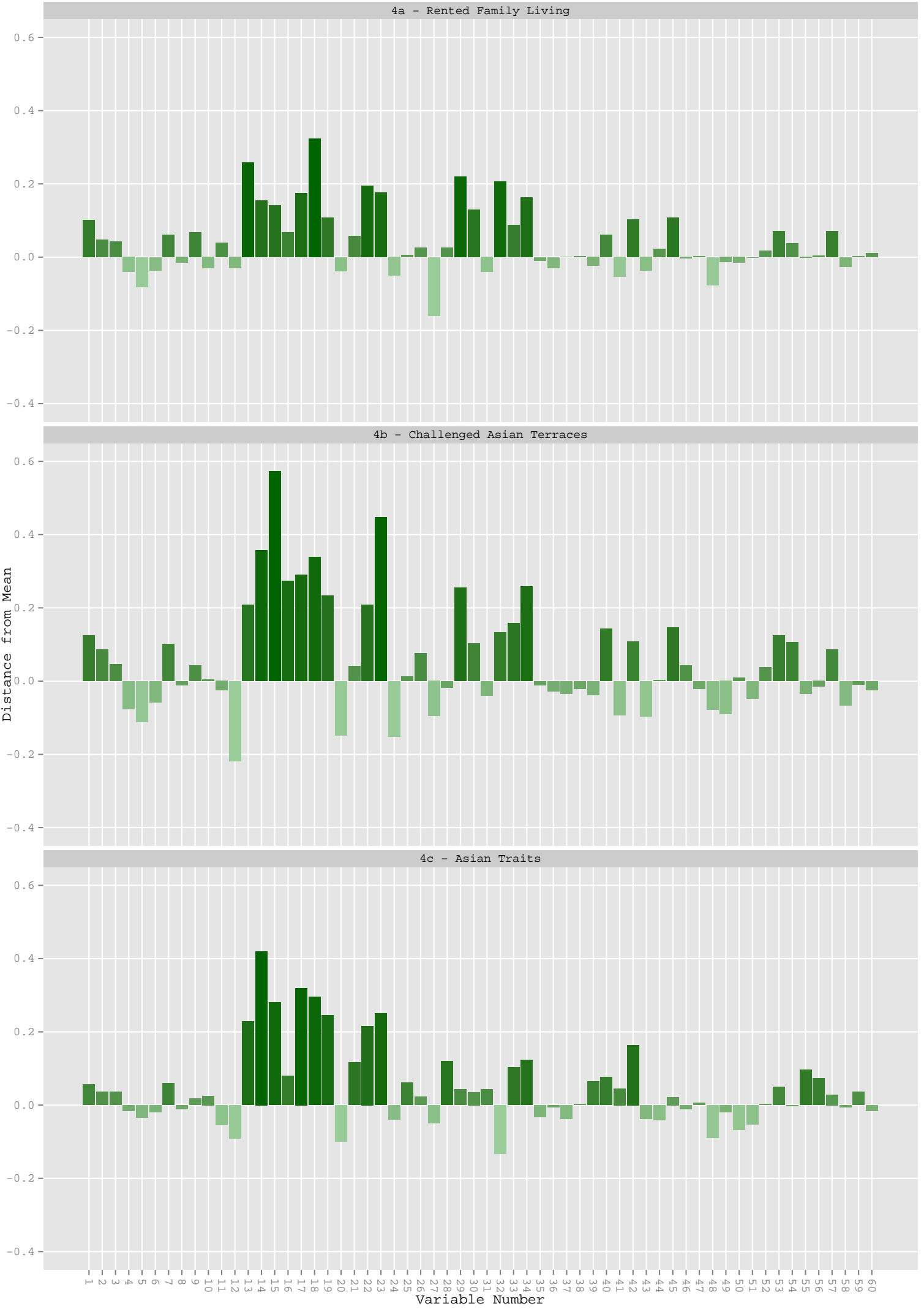
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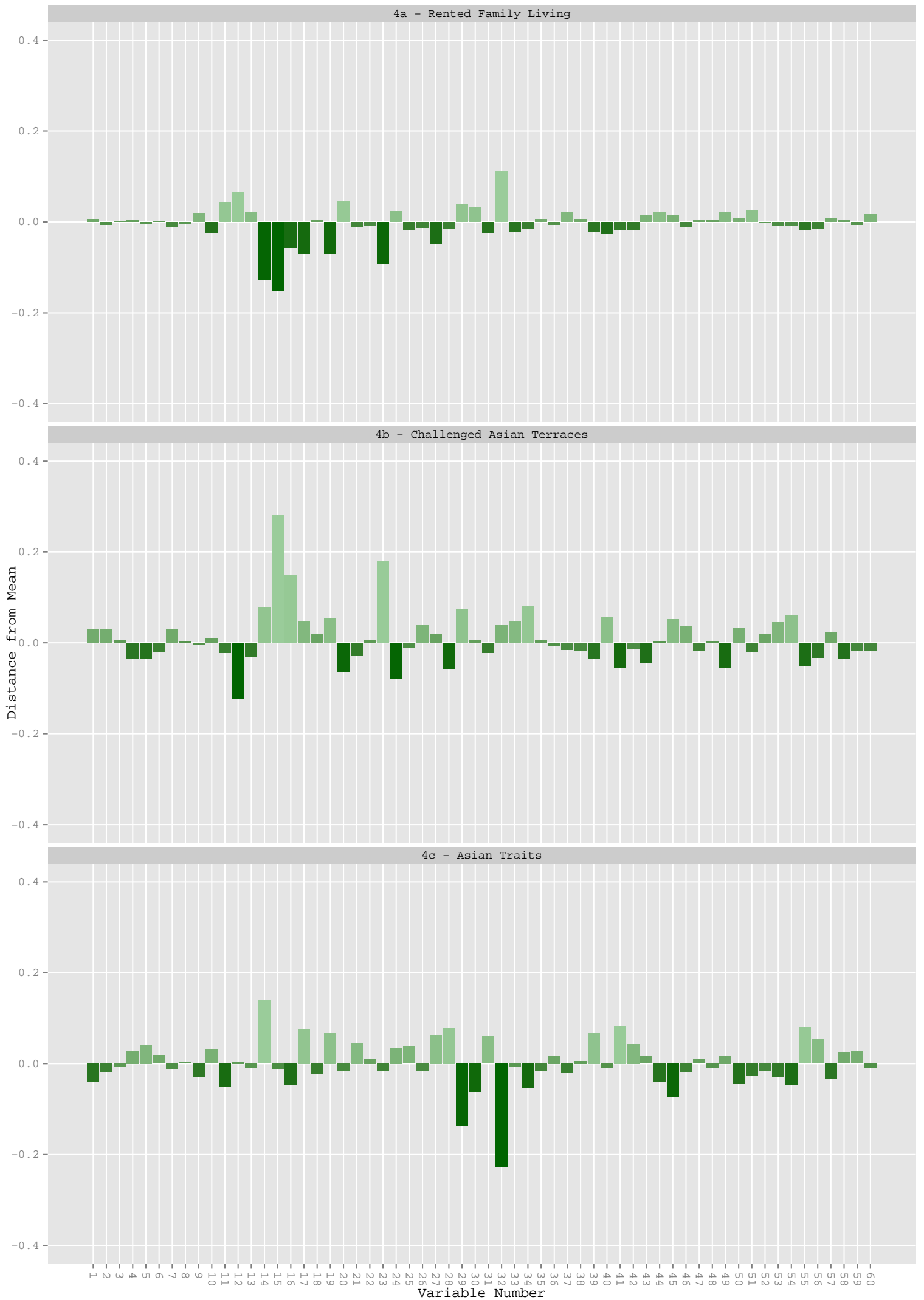
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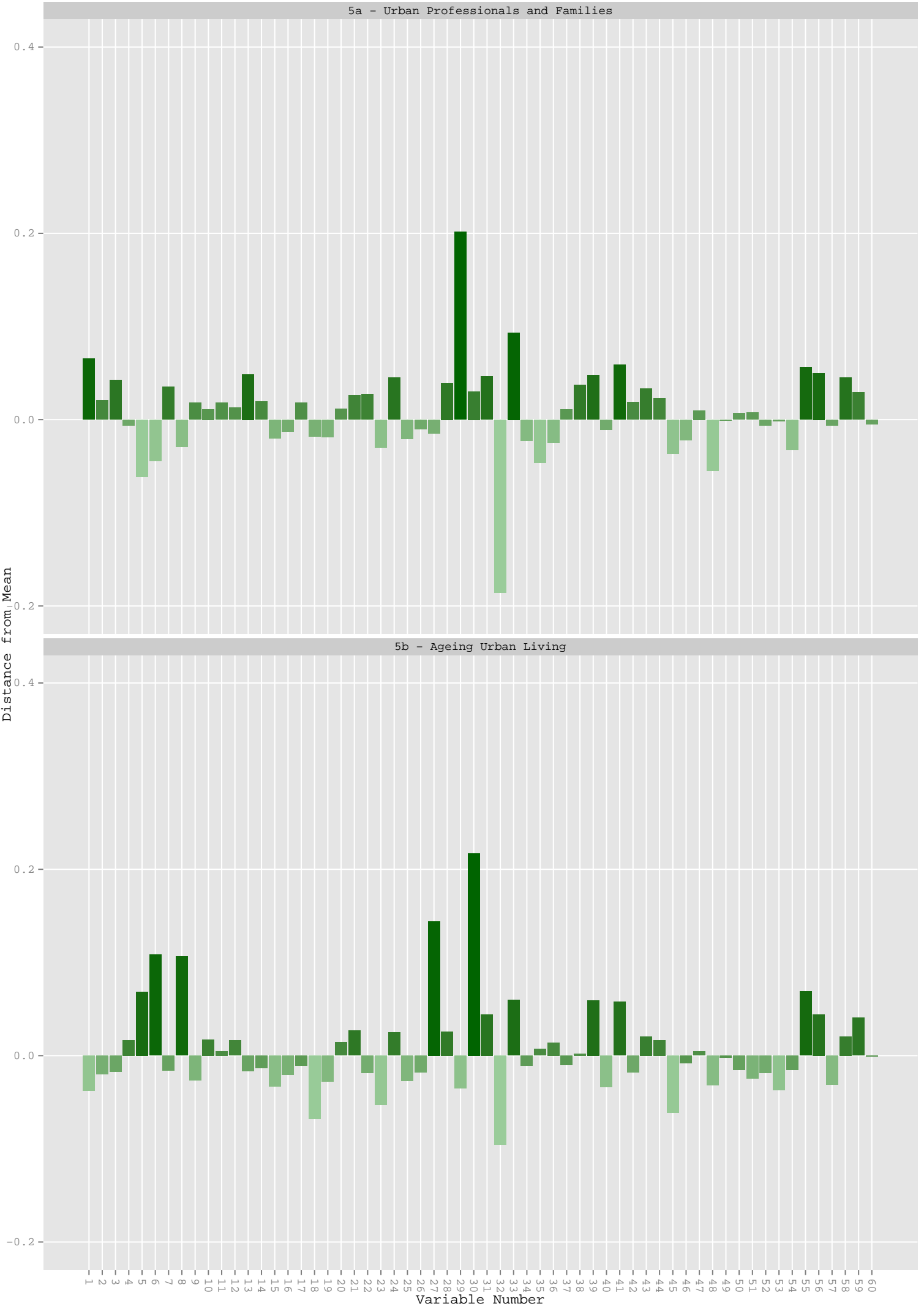
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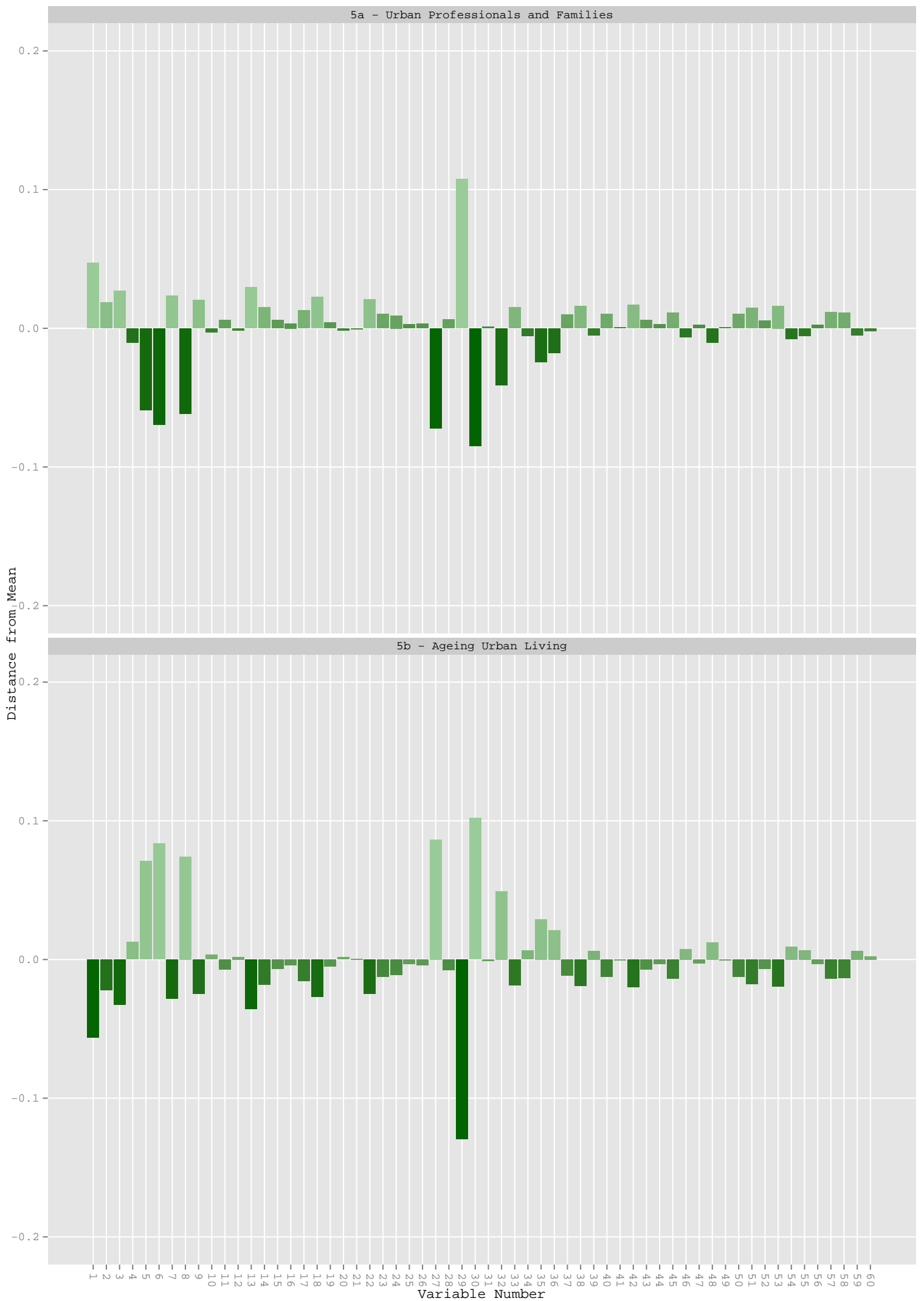
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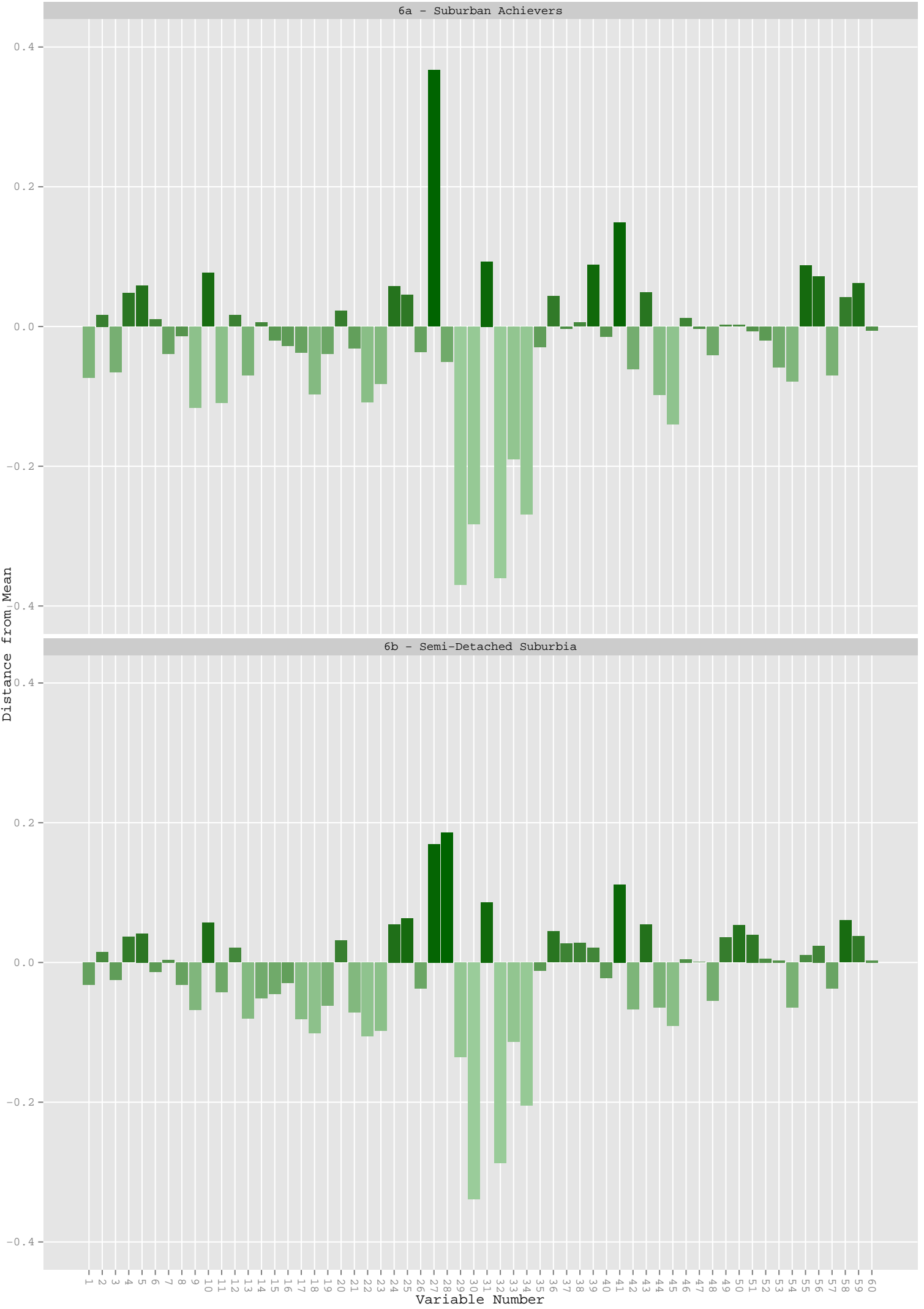
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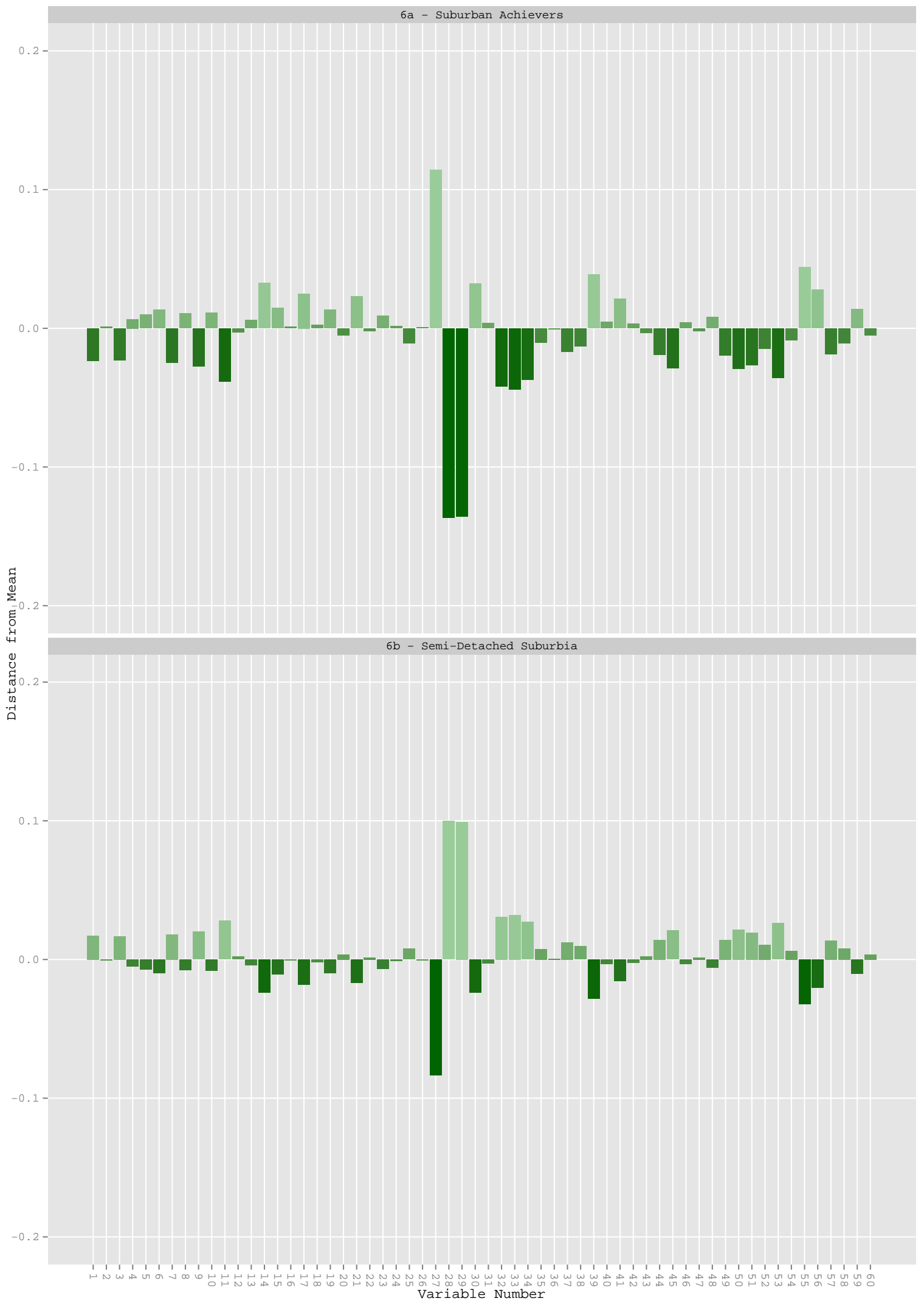
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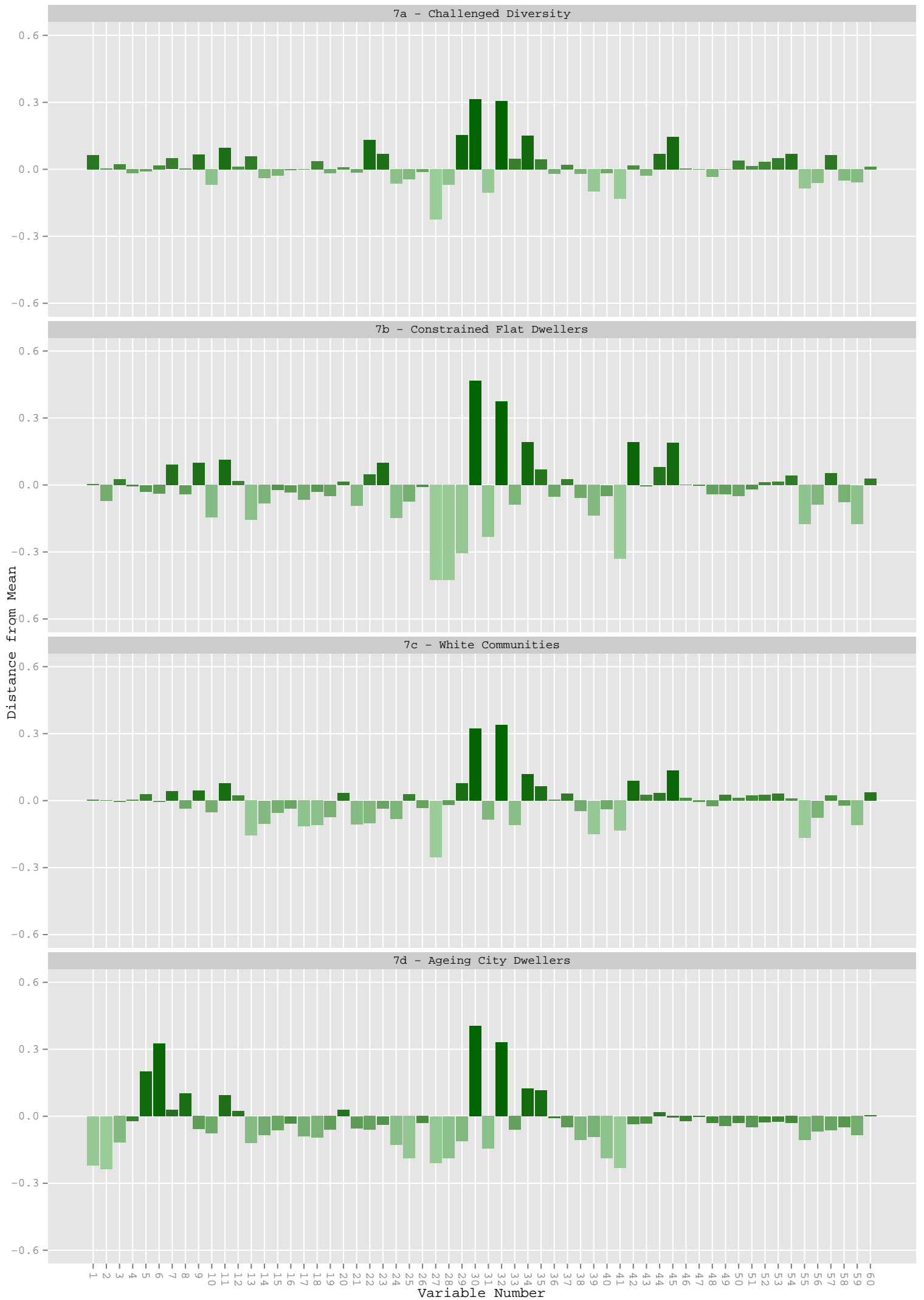
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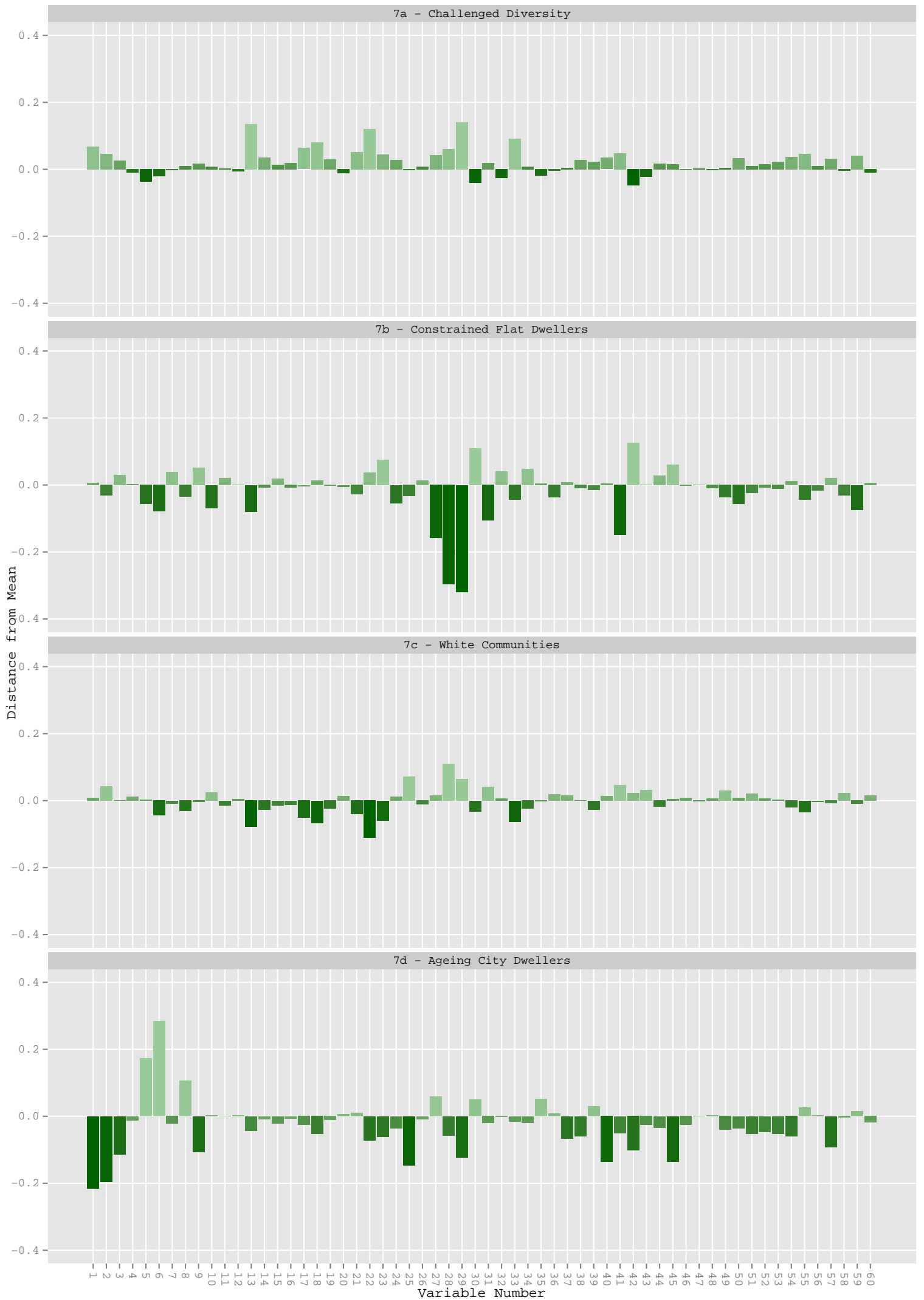
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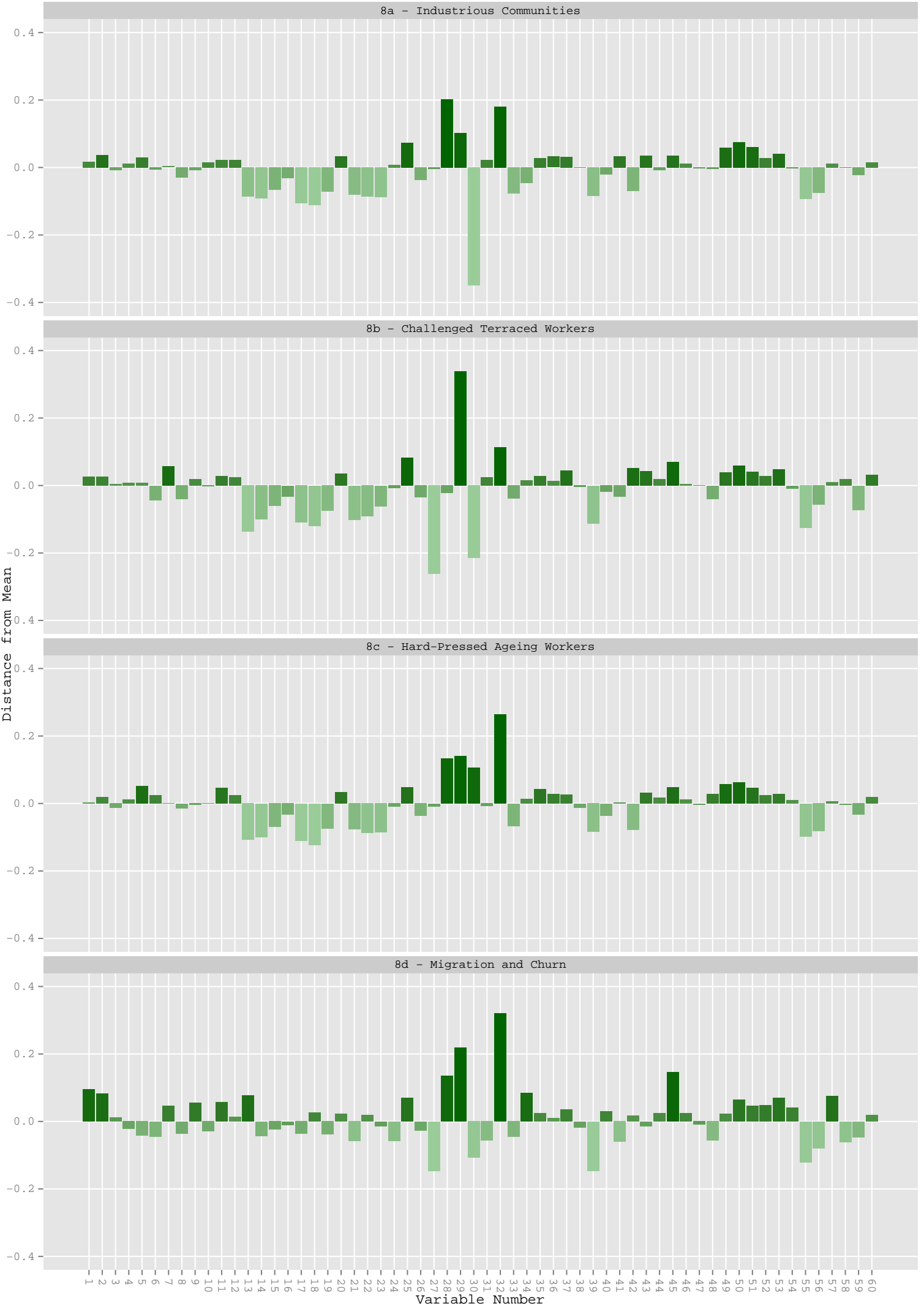
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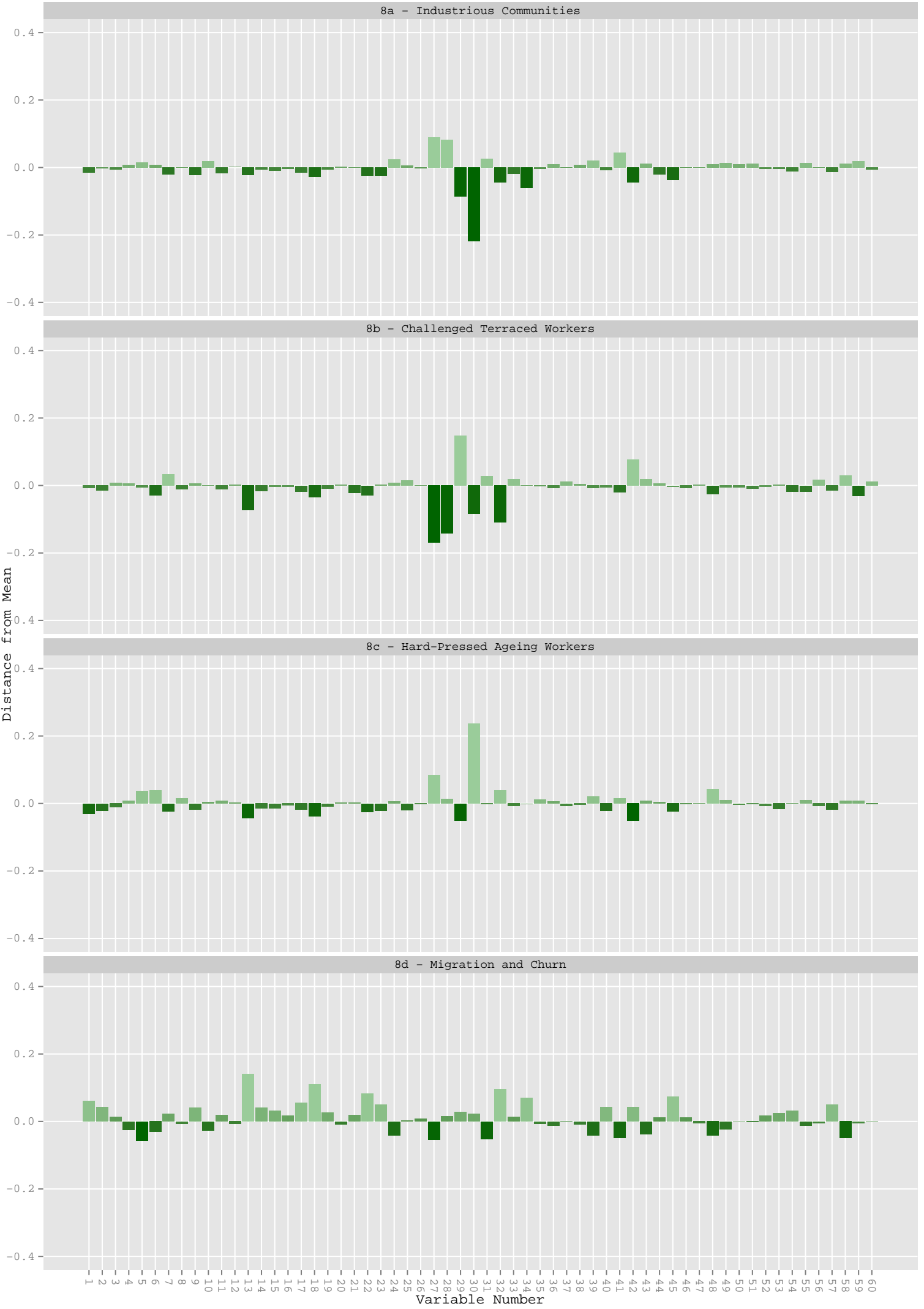
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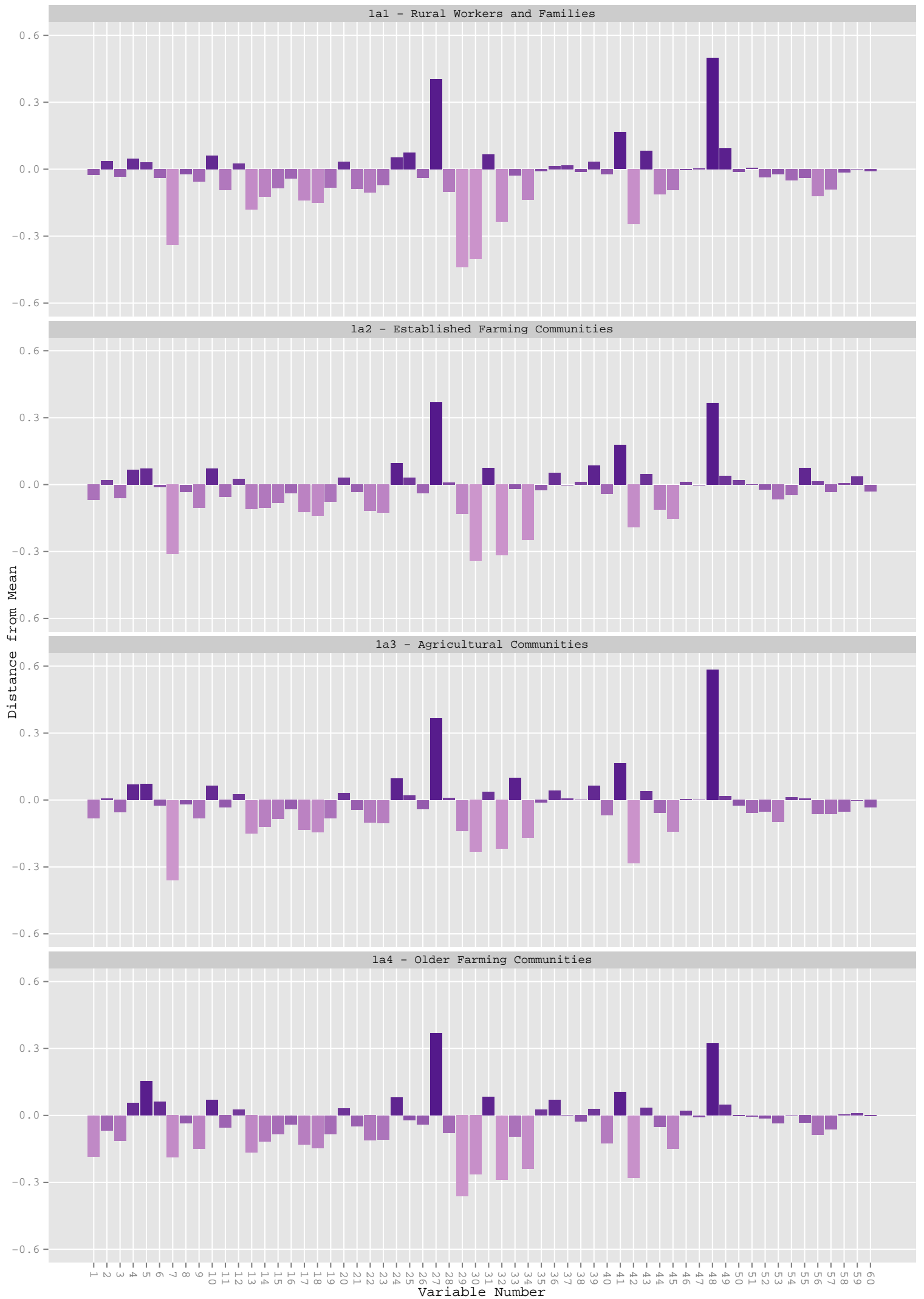
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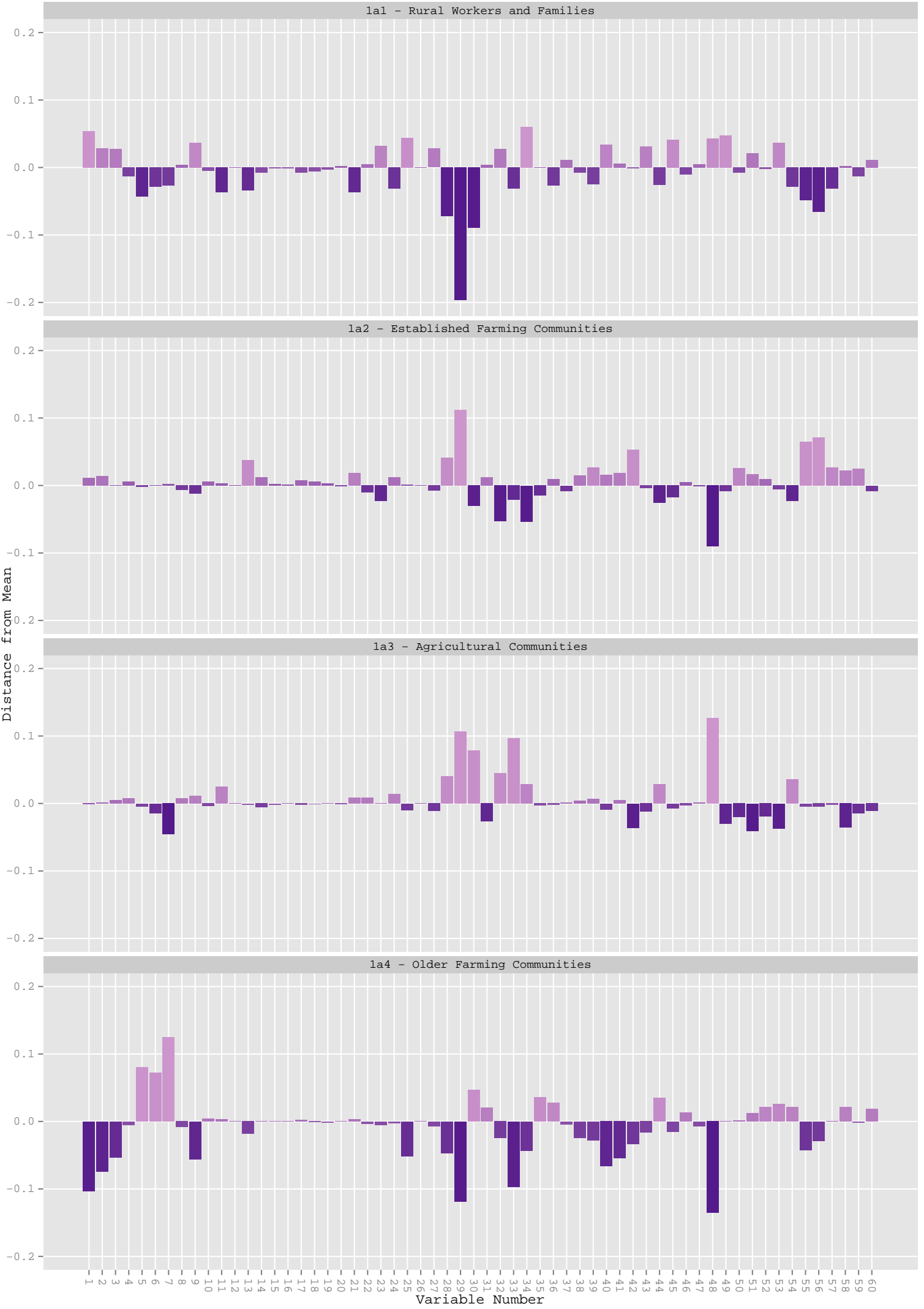
2011 OAC Groups - Parent Cluster Mean



2011 OAC Subgroups - UK Mean



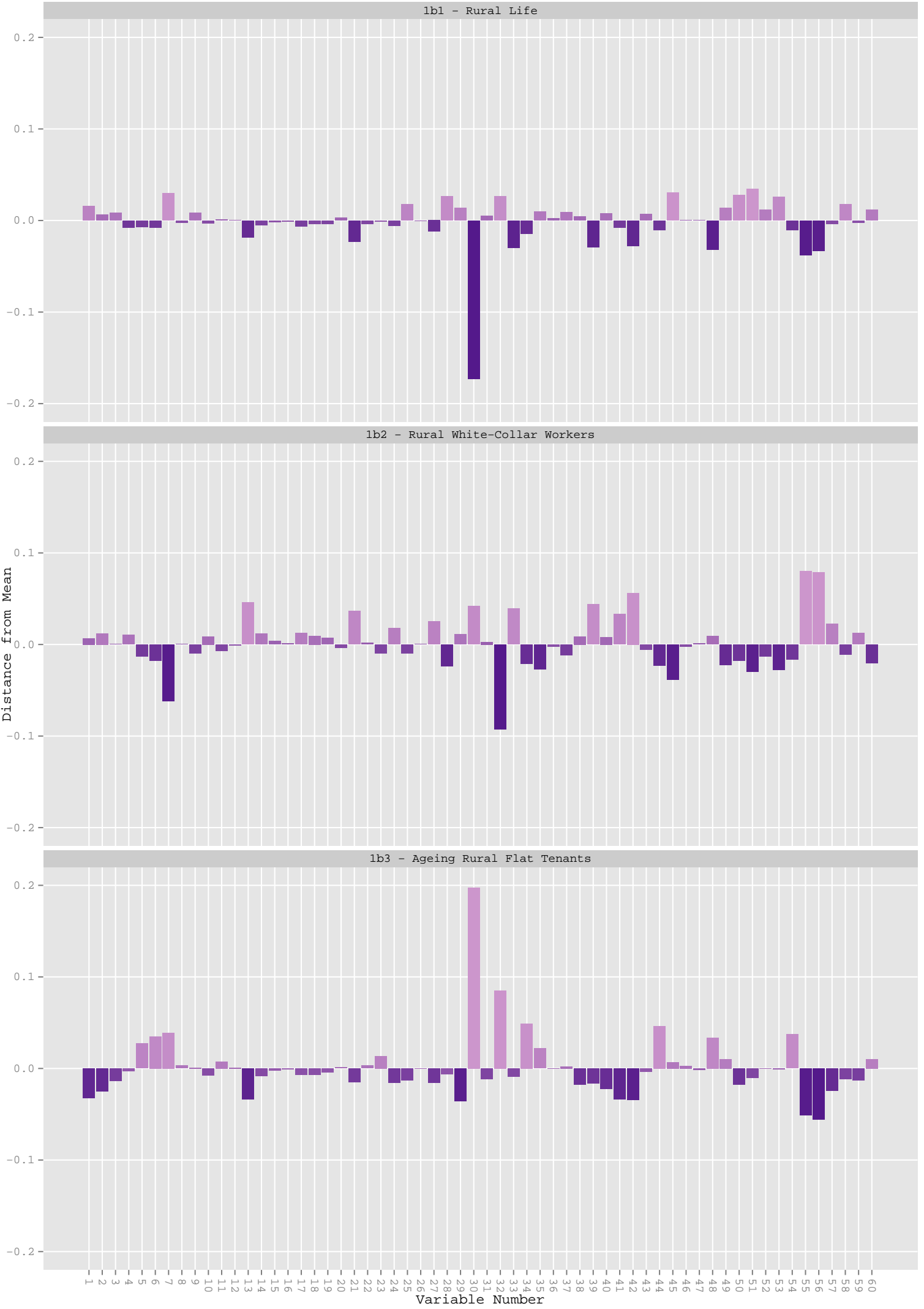
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2011 OAC Subgroups - UK Mean



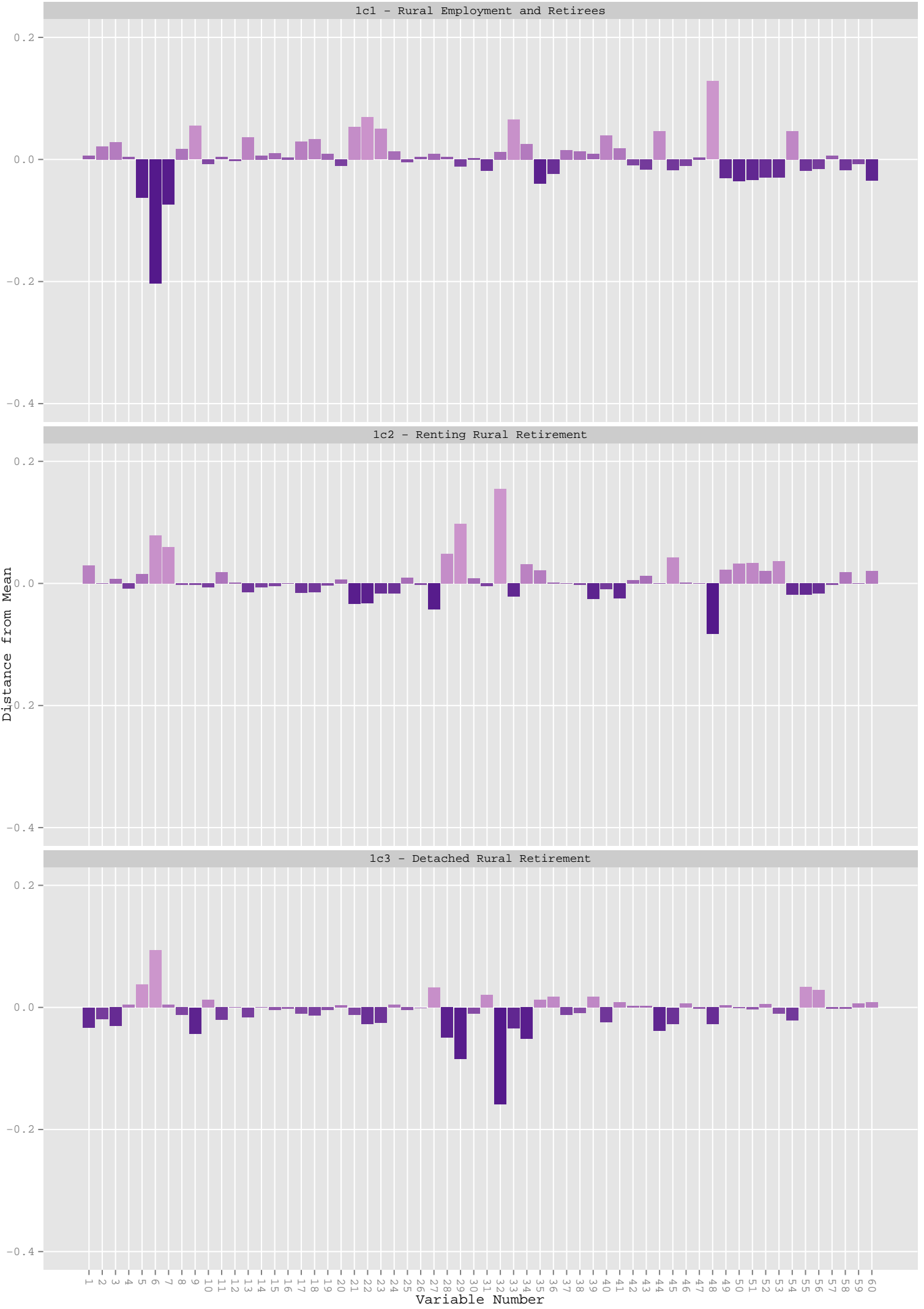
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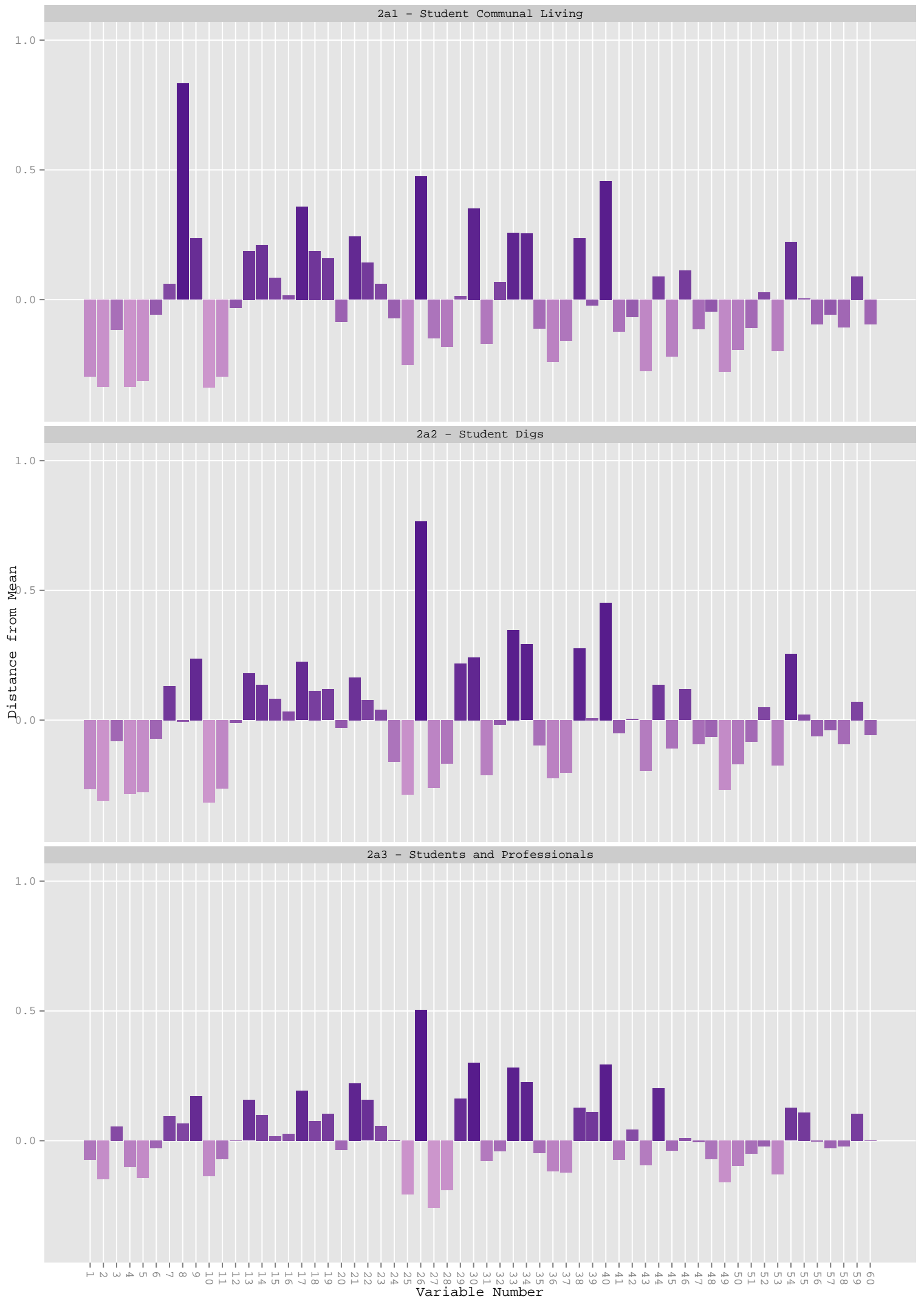
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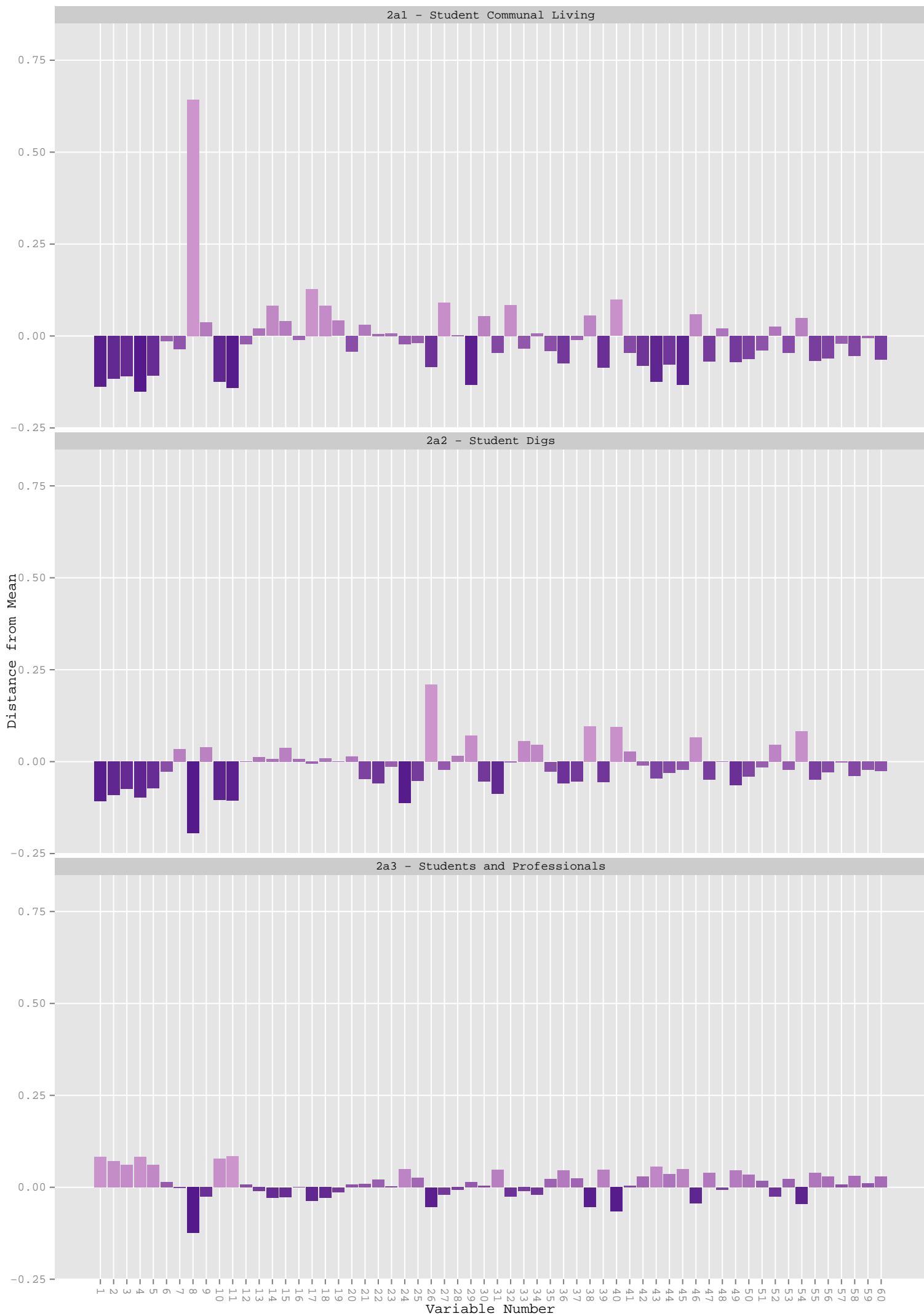
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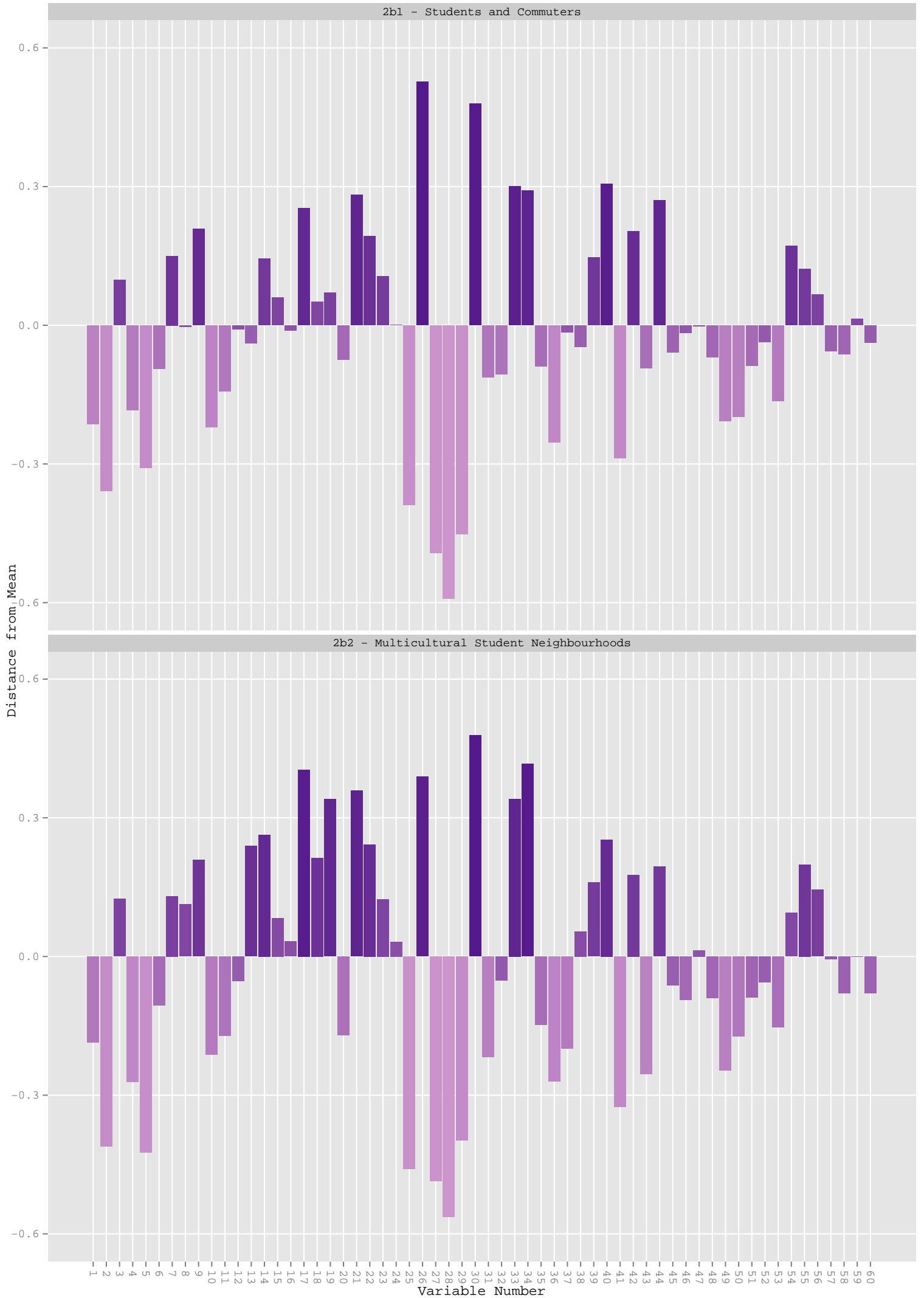
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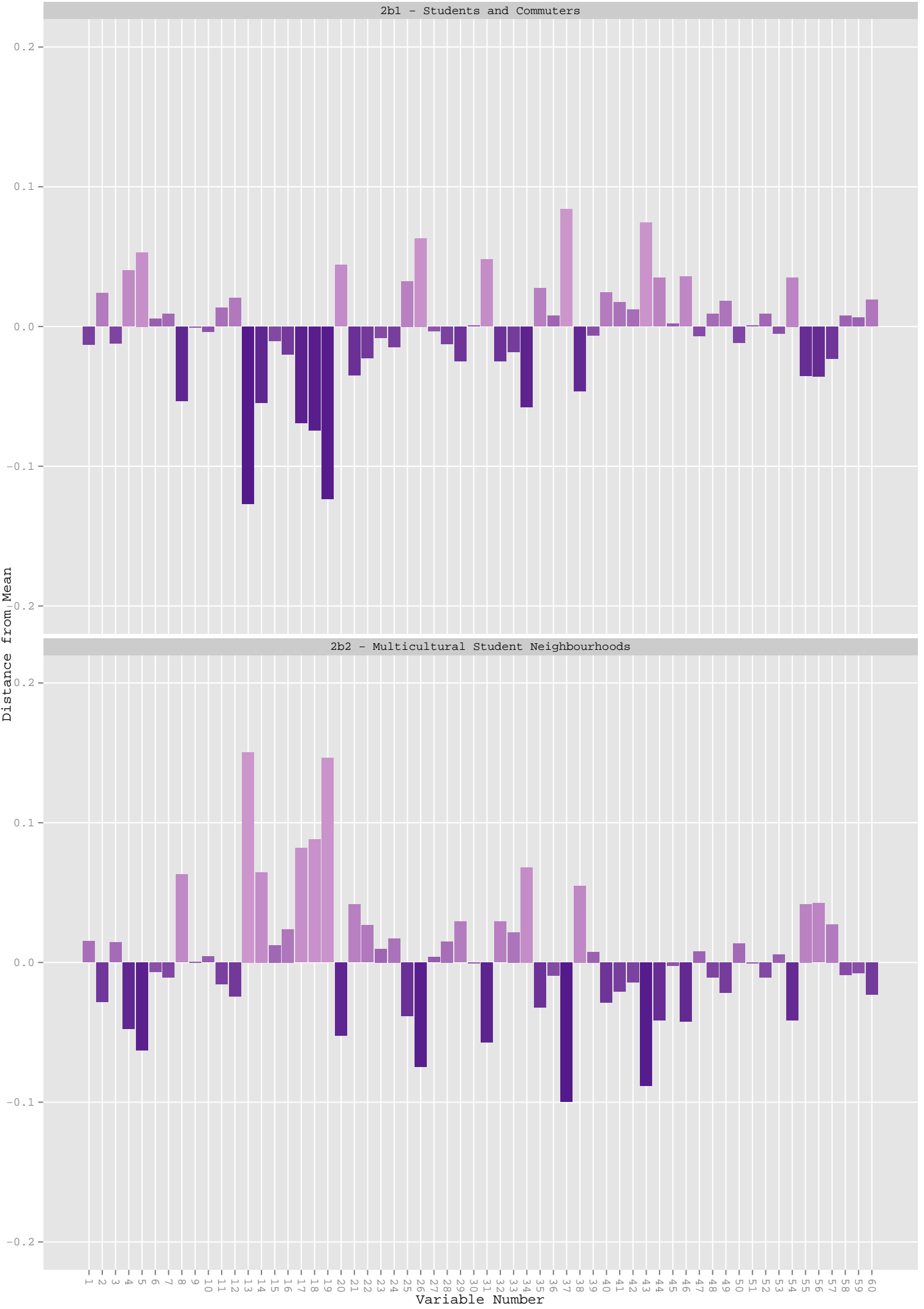
2011 OAC Subgroups – Parent Cluster Mean



2011 OAC Subgroups - UK Mean



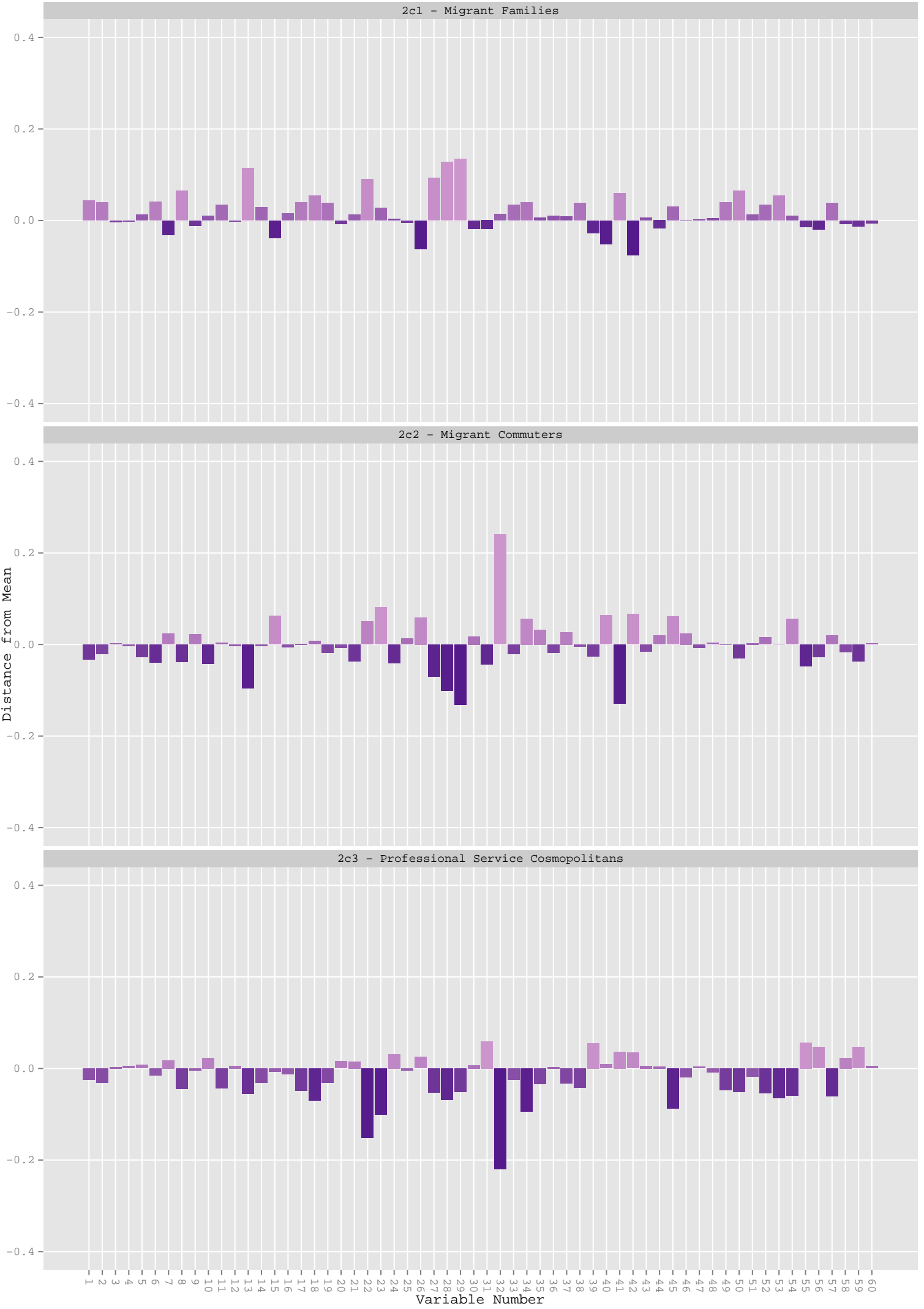
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2011 OAC Subgroups - UK Mean



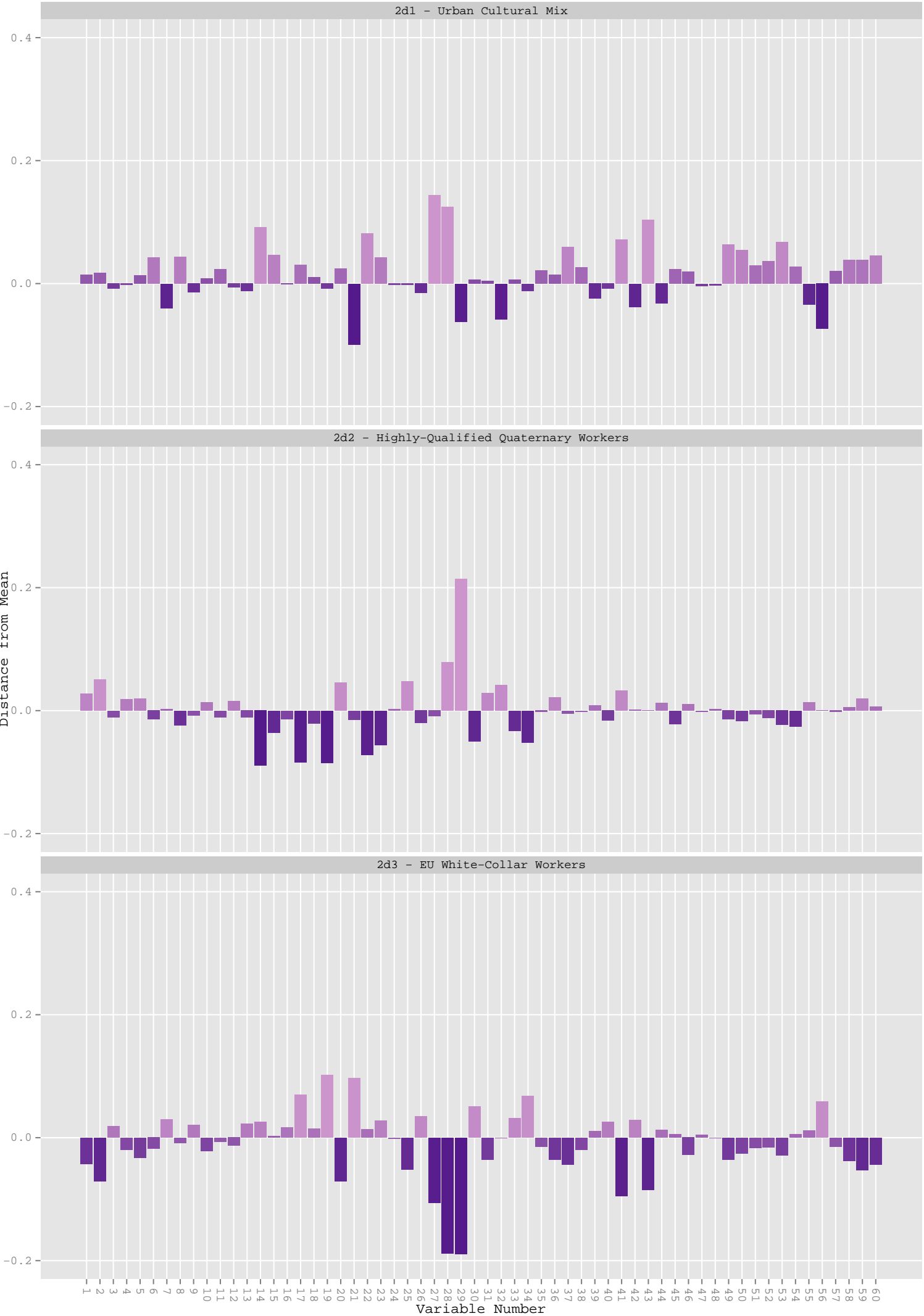
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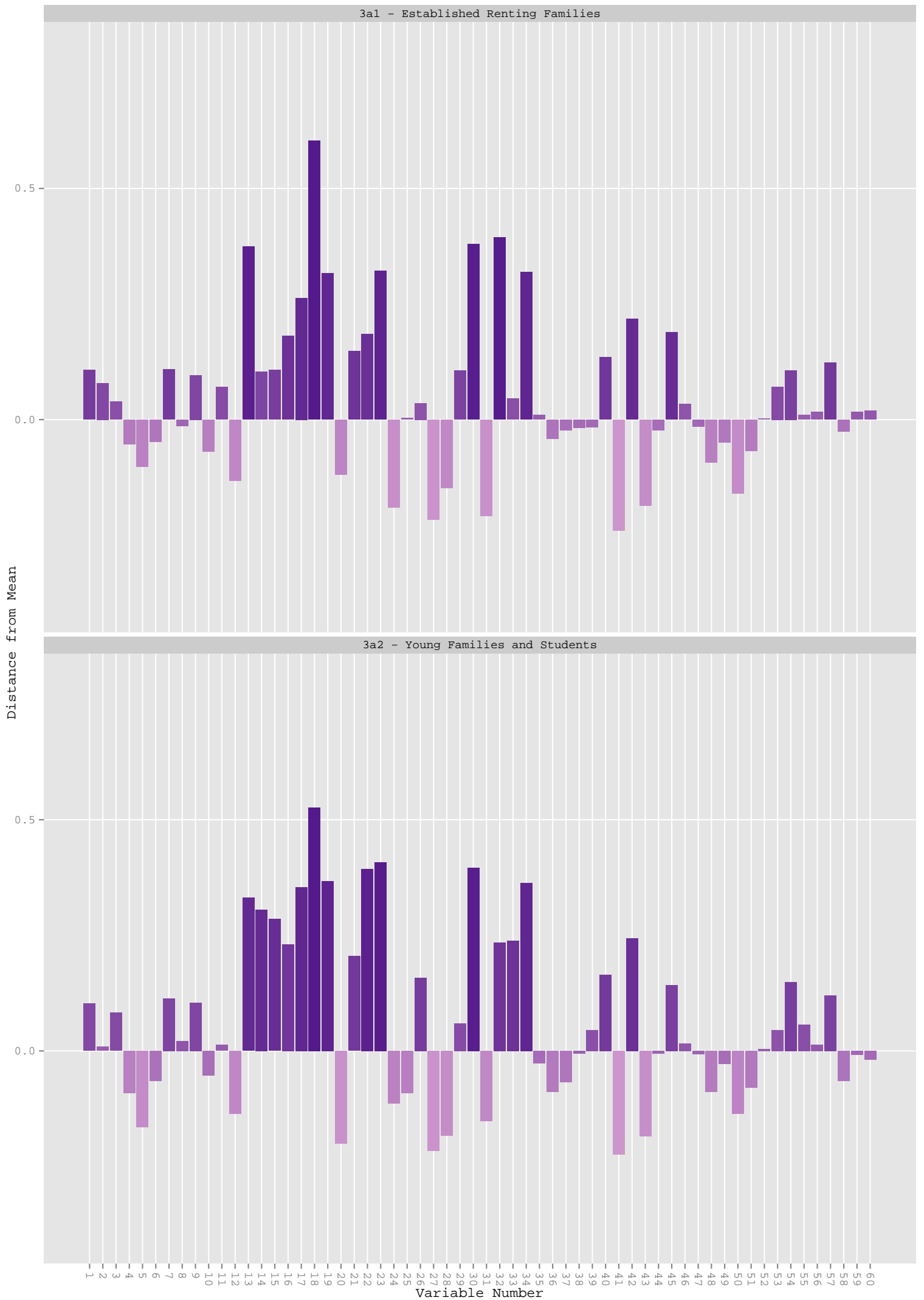
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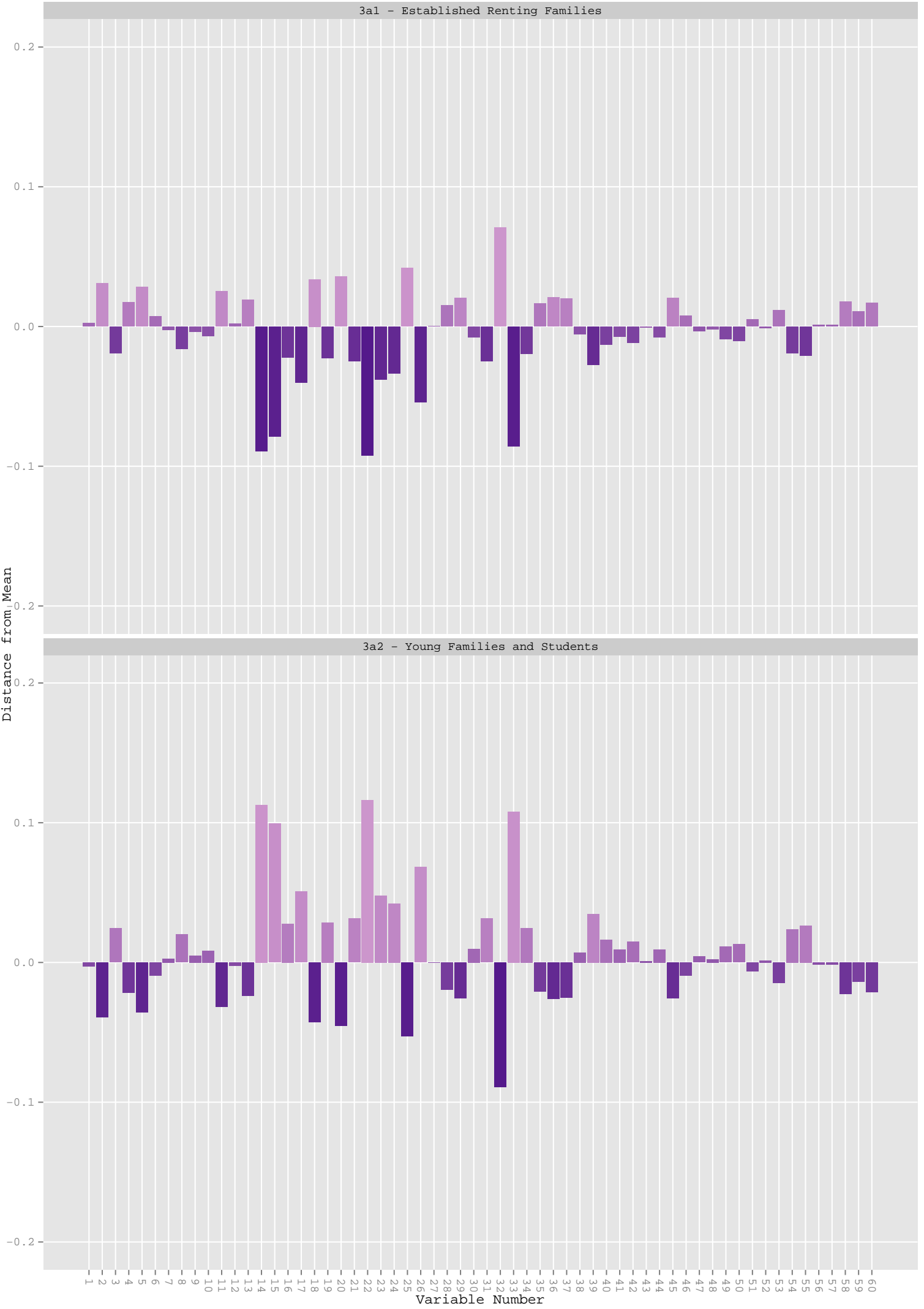
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2011 OAC Subgroups - UK Mean



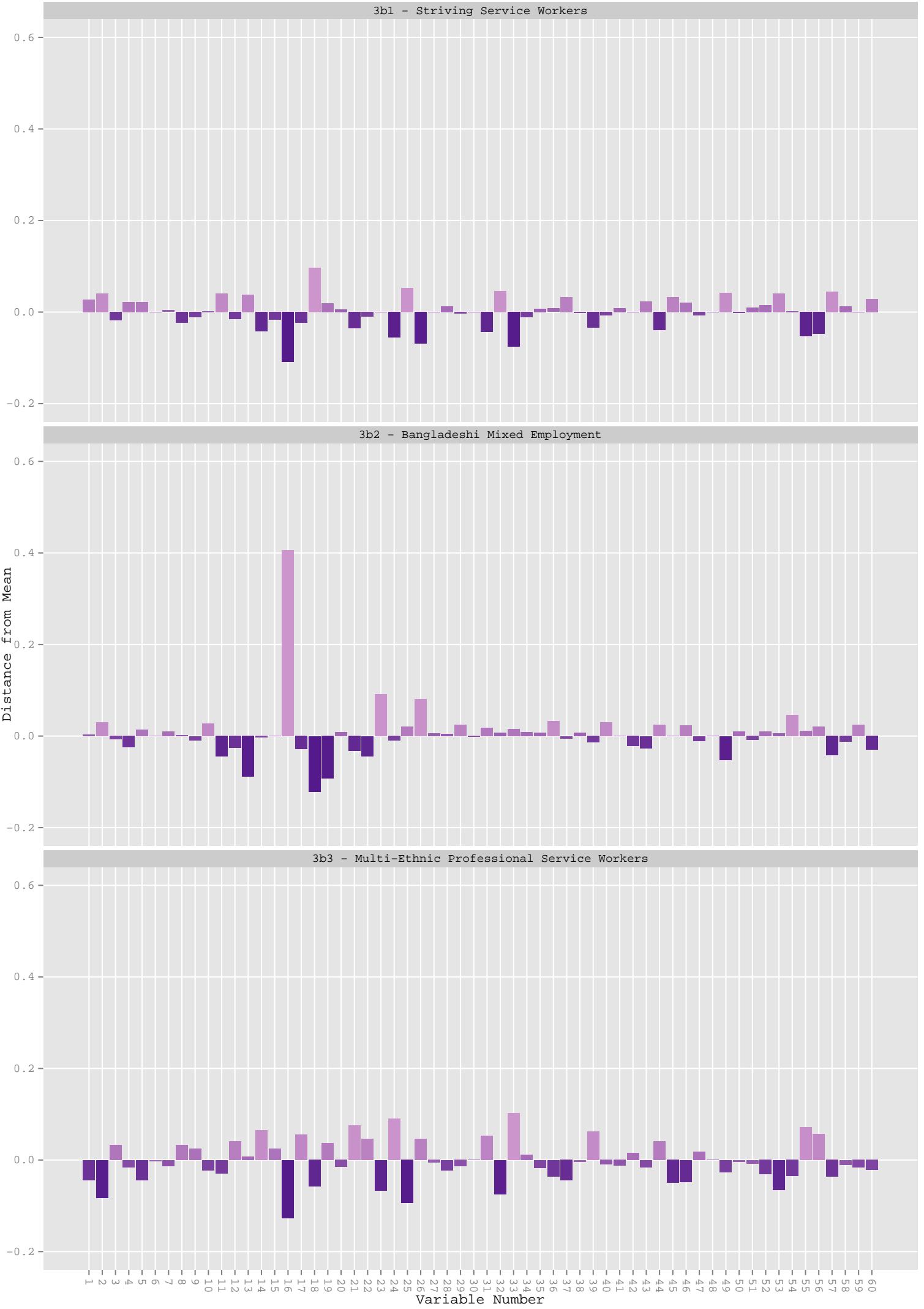
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2011 OAC Subgroups - UK Mean



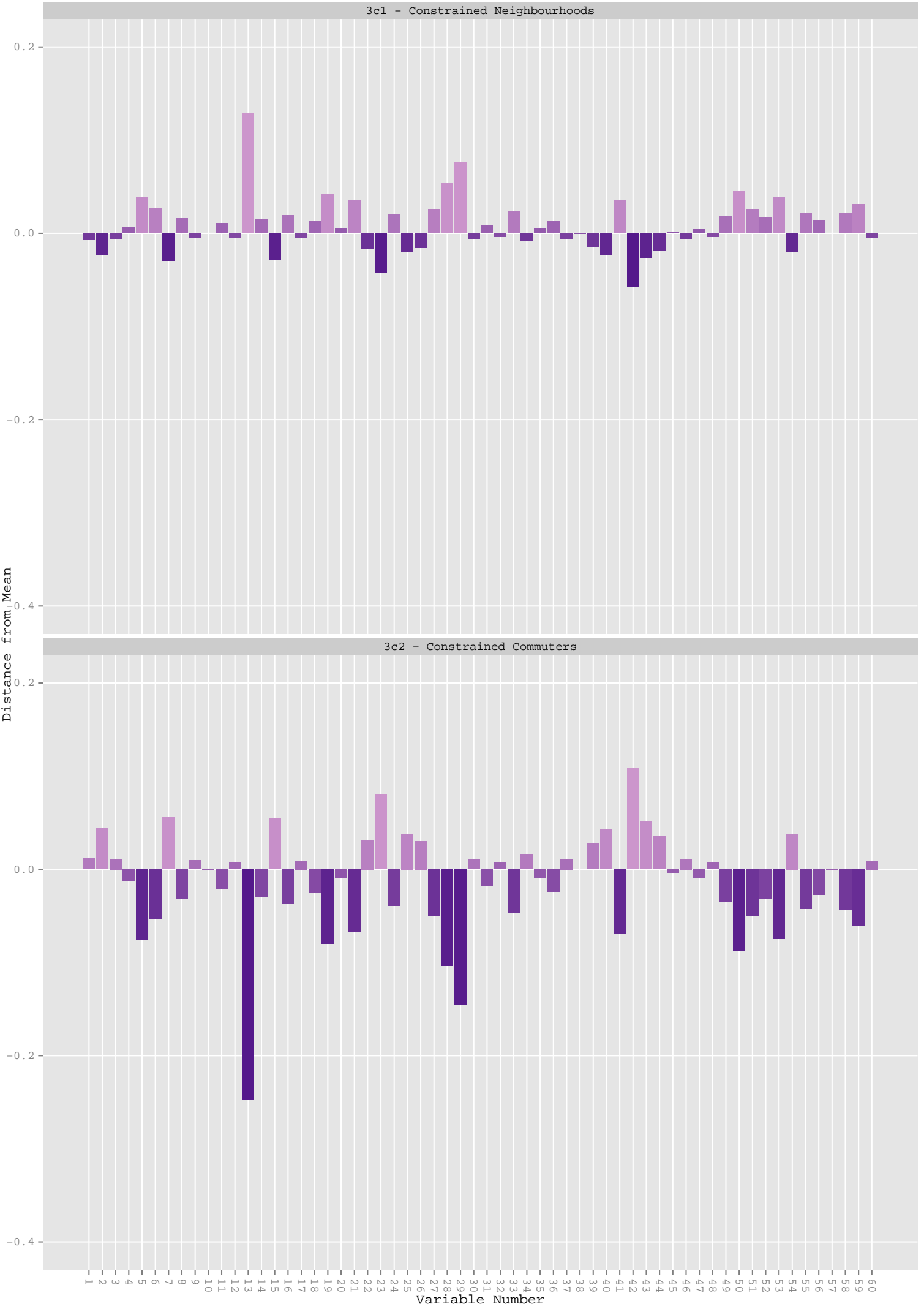
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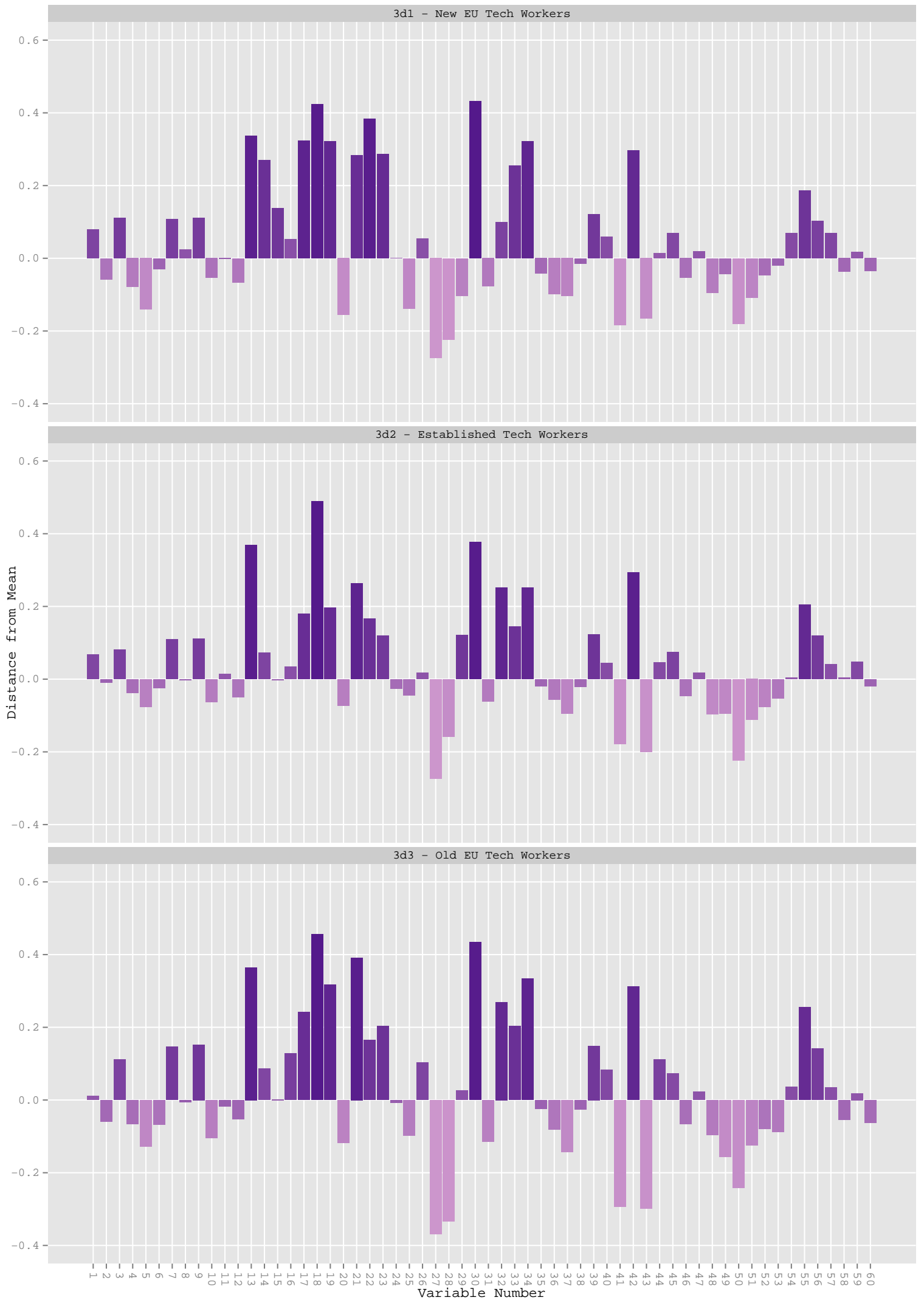
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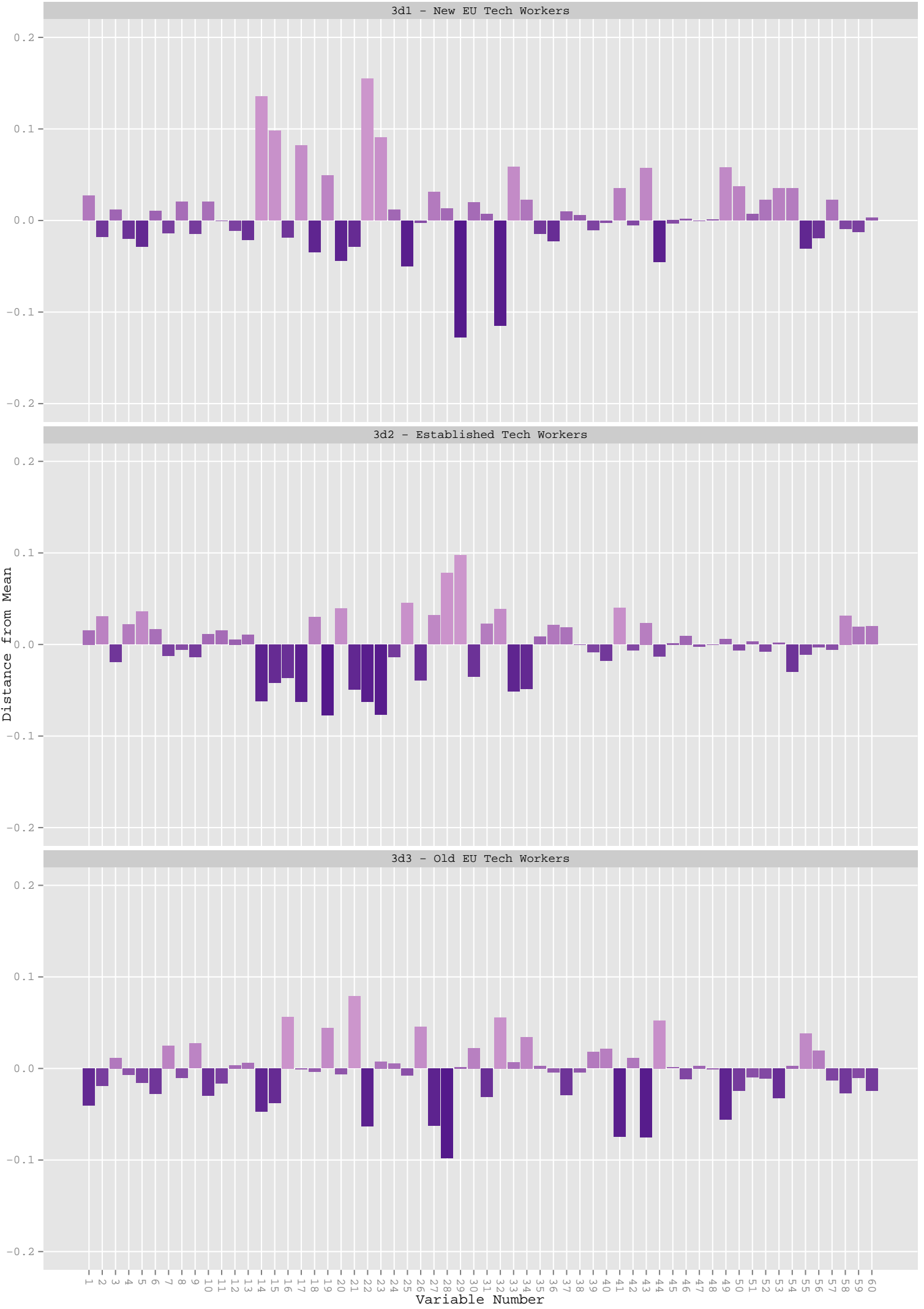
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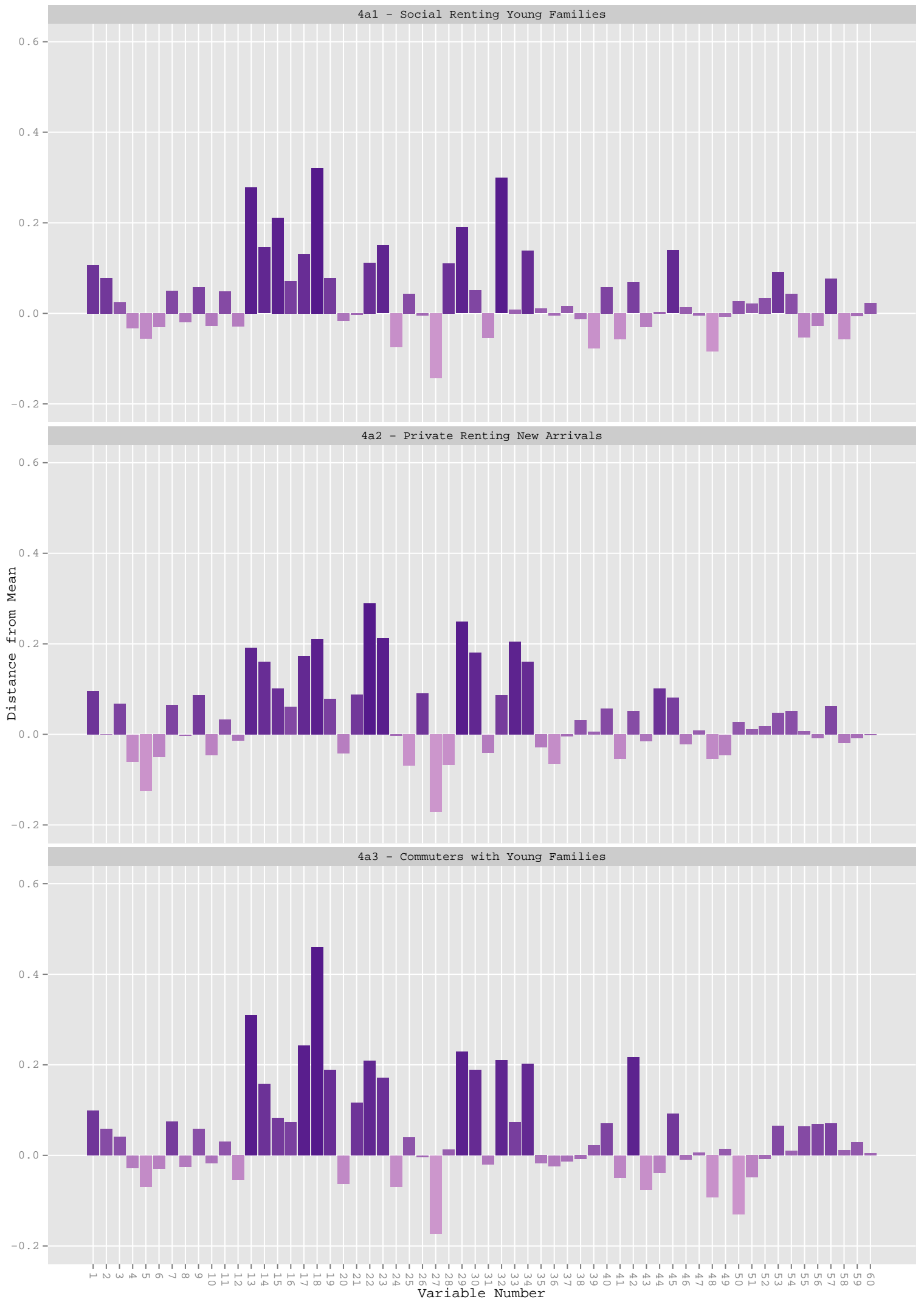
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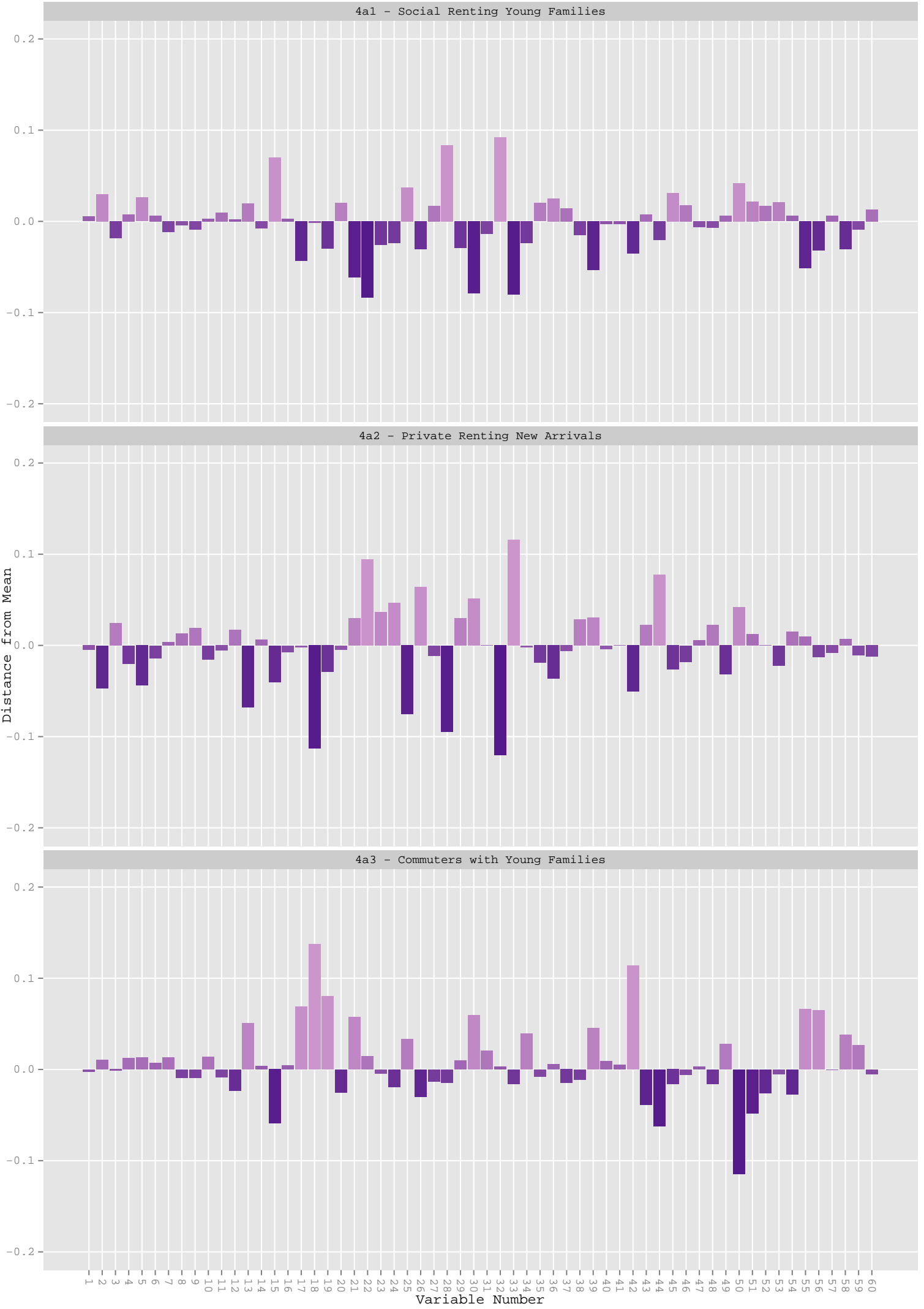
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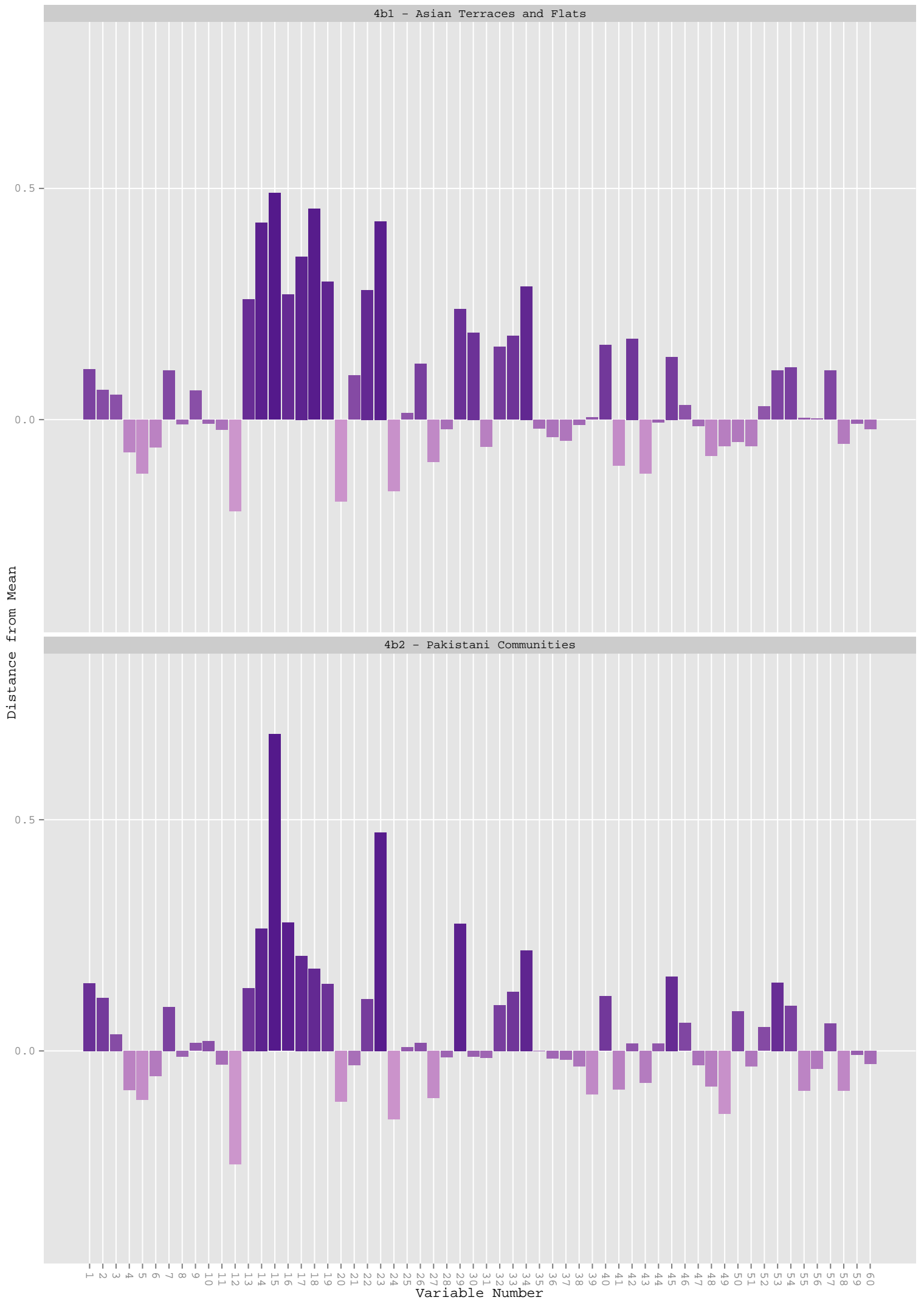
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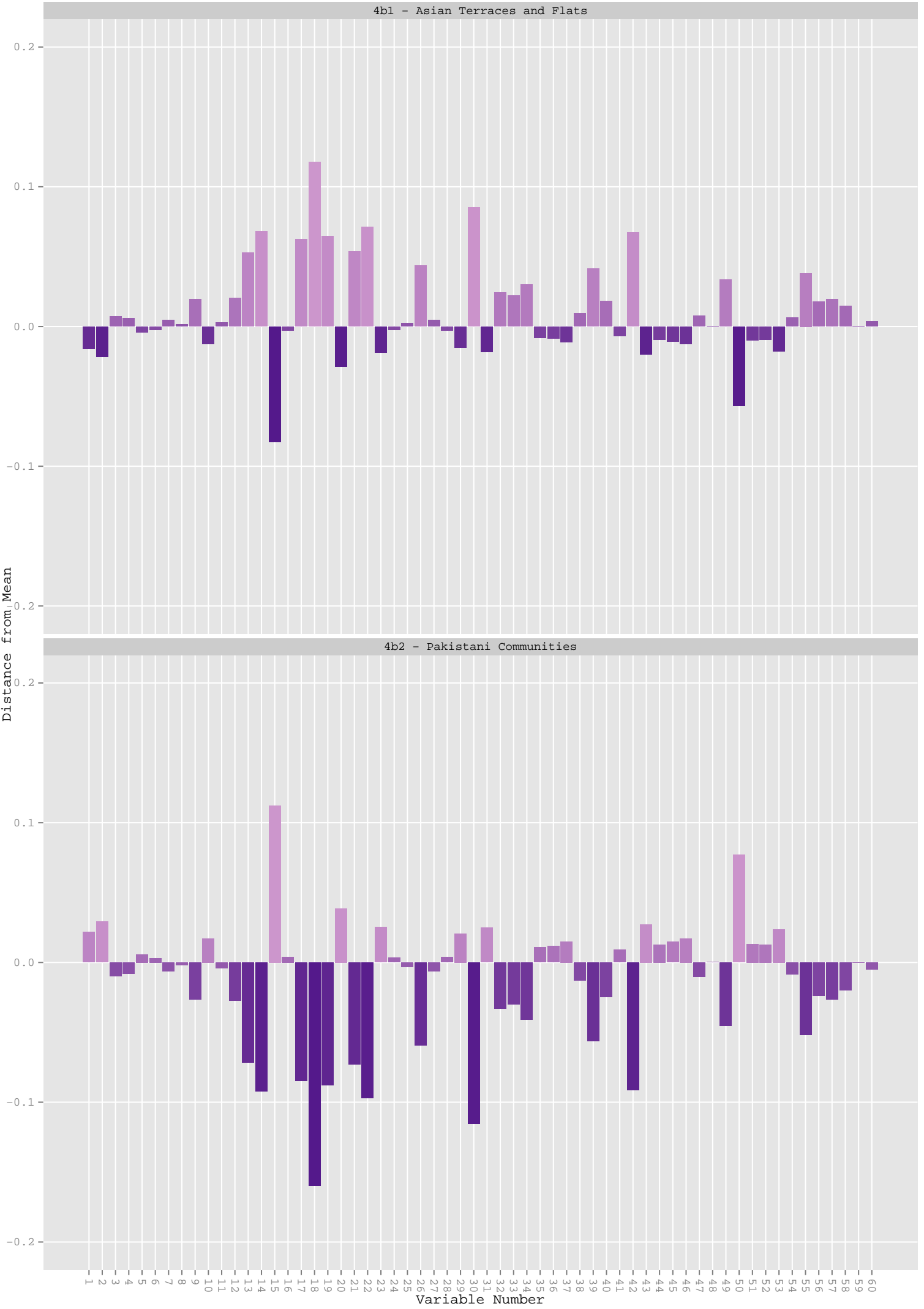
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2011 OAC Subgroups - UK Mean



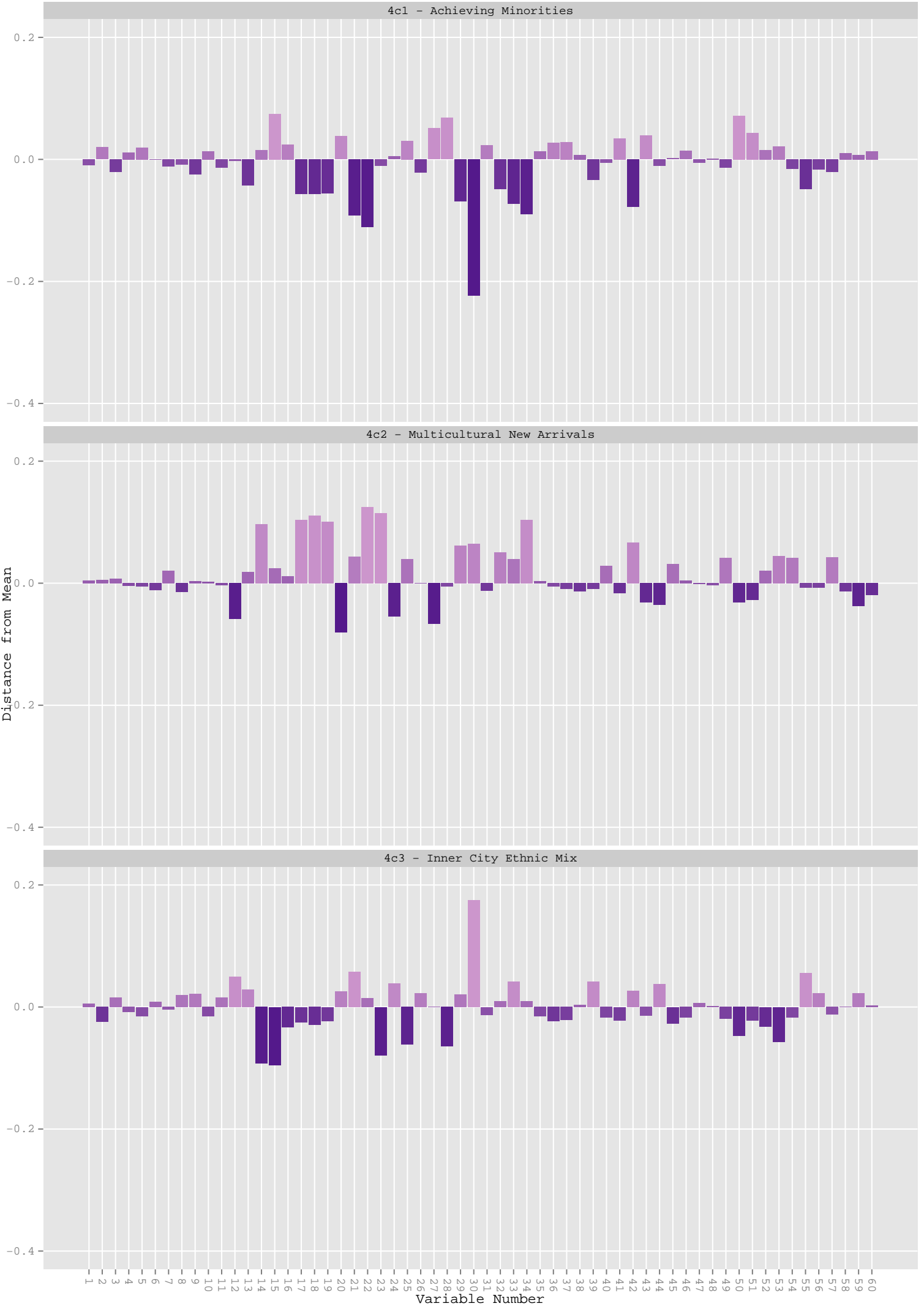
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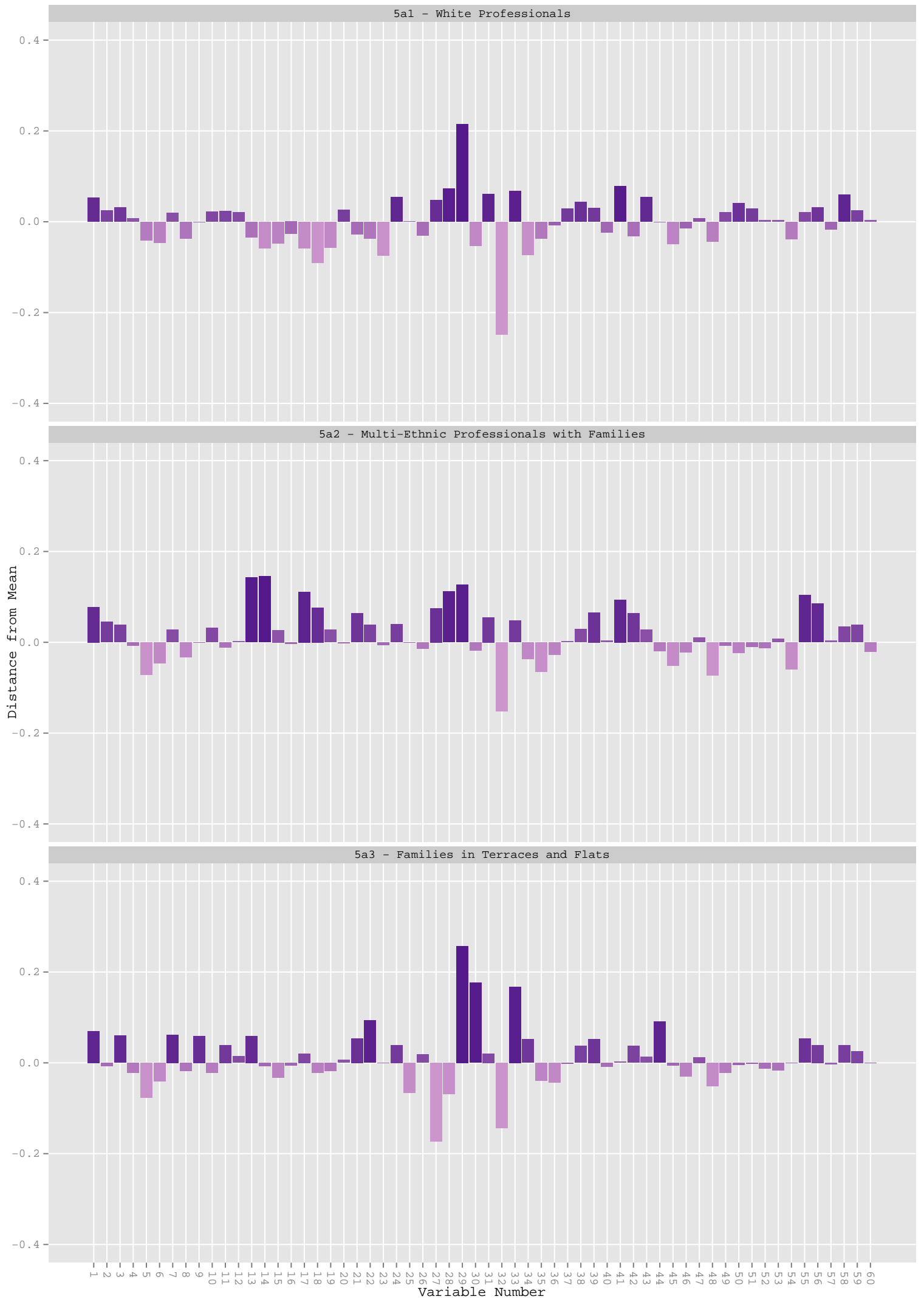
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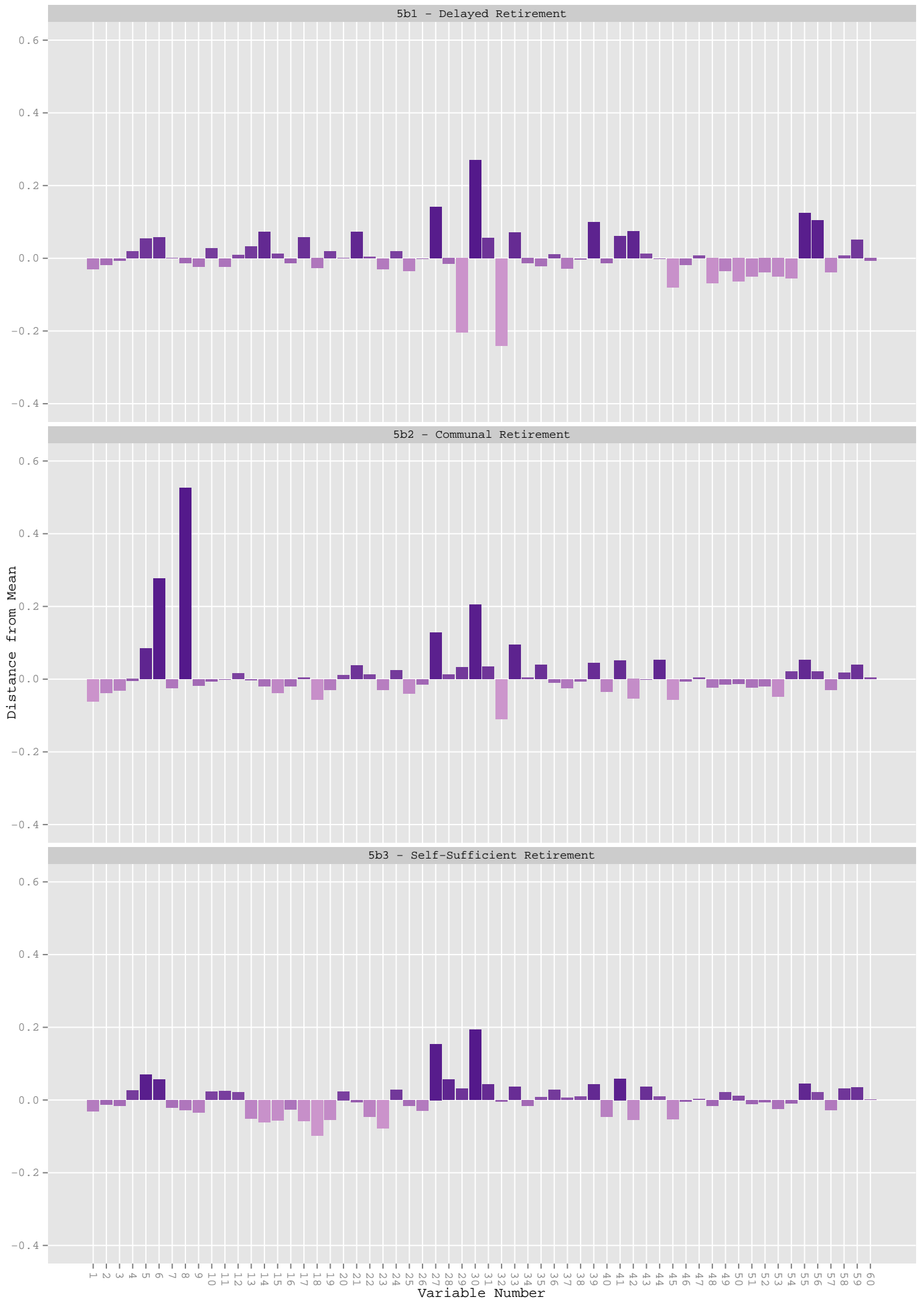
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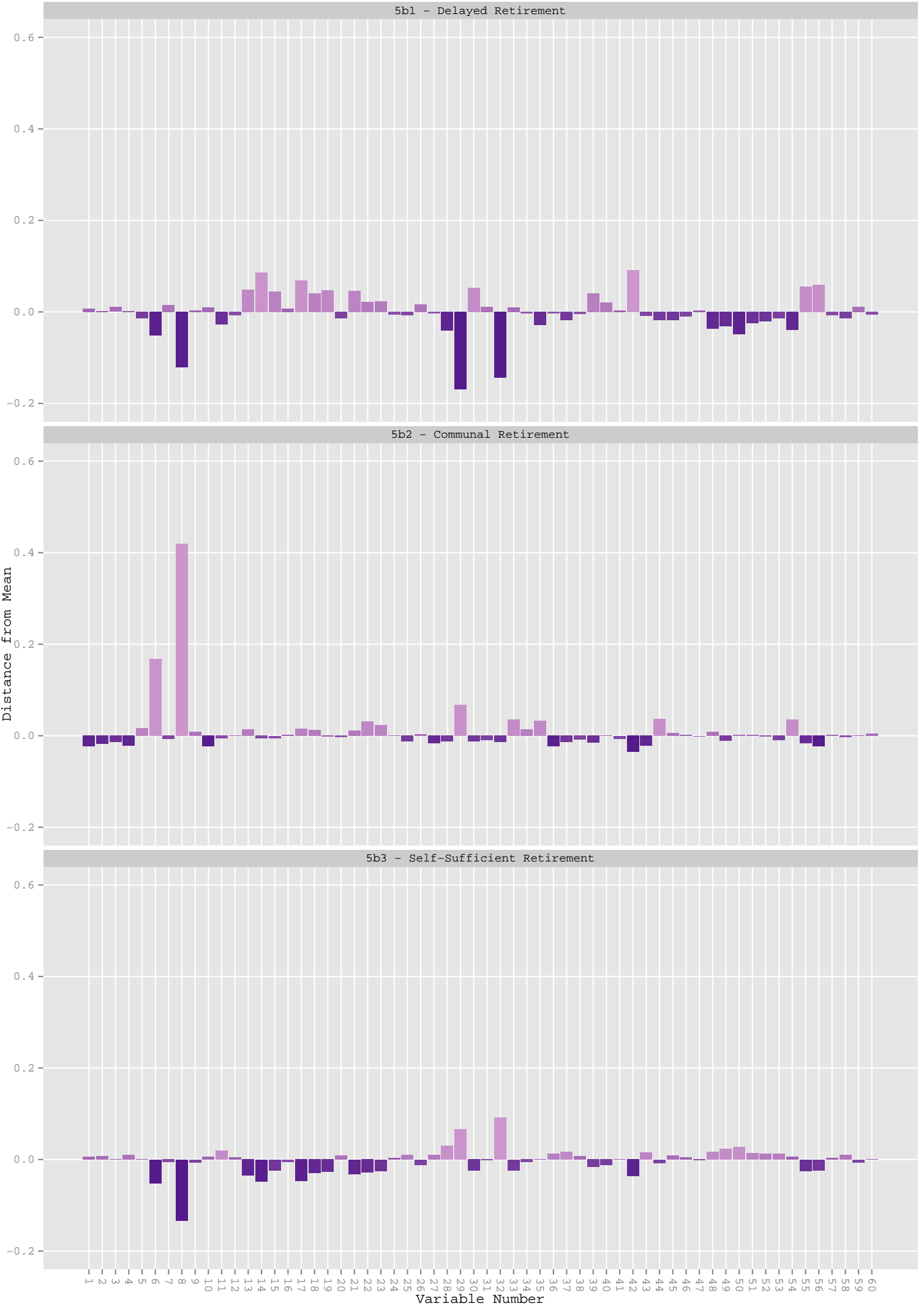
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2011 OAC Subgroups - UK Mean



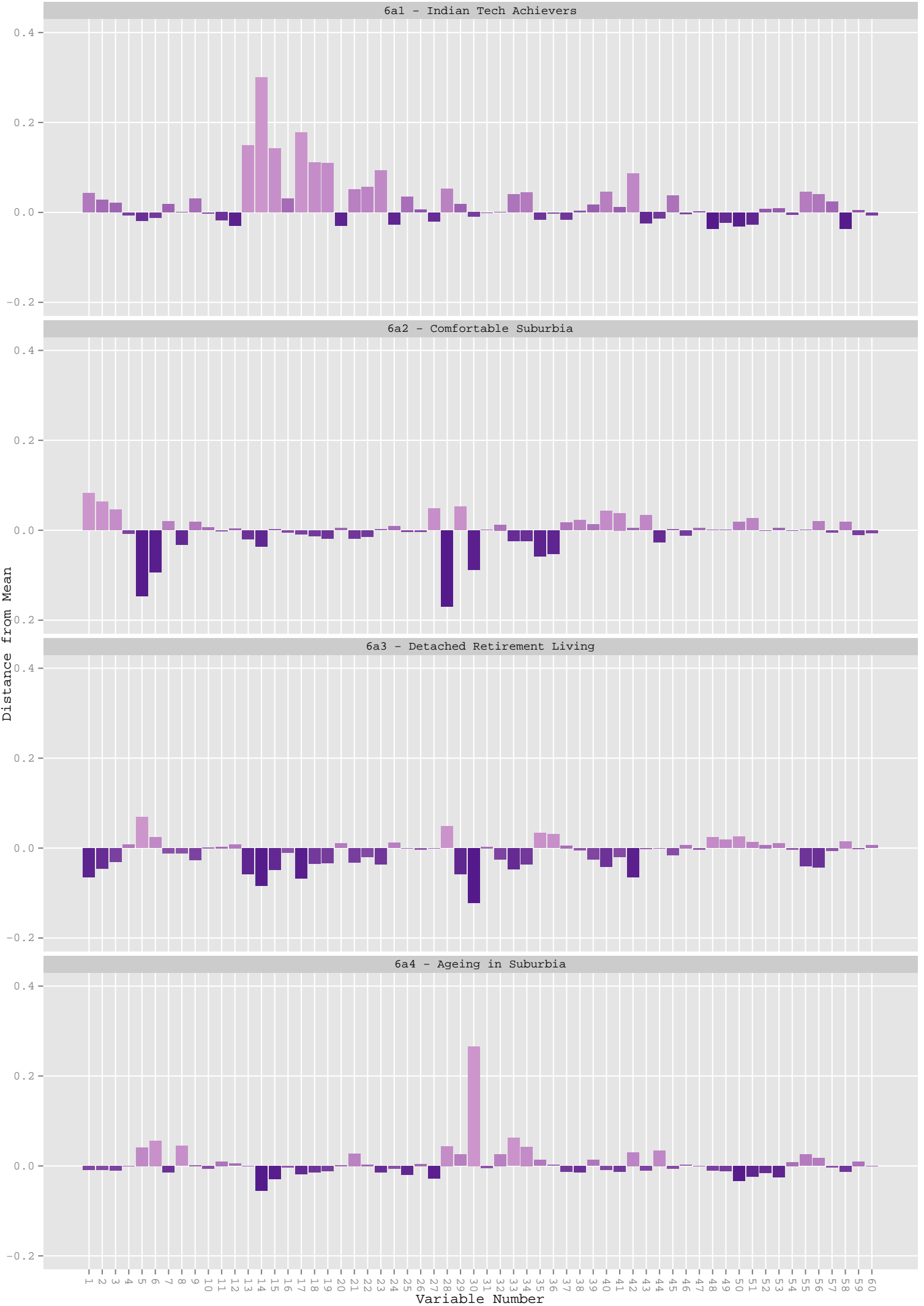
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2011 OAC Subgroups - UK Mean



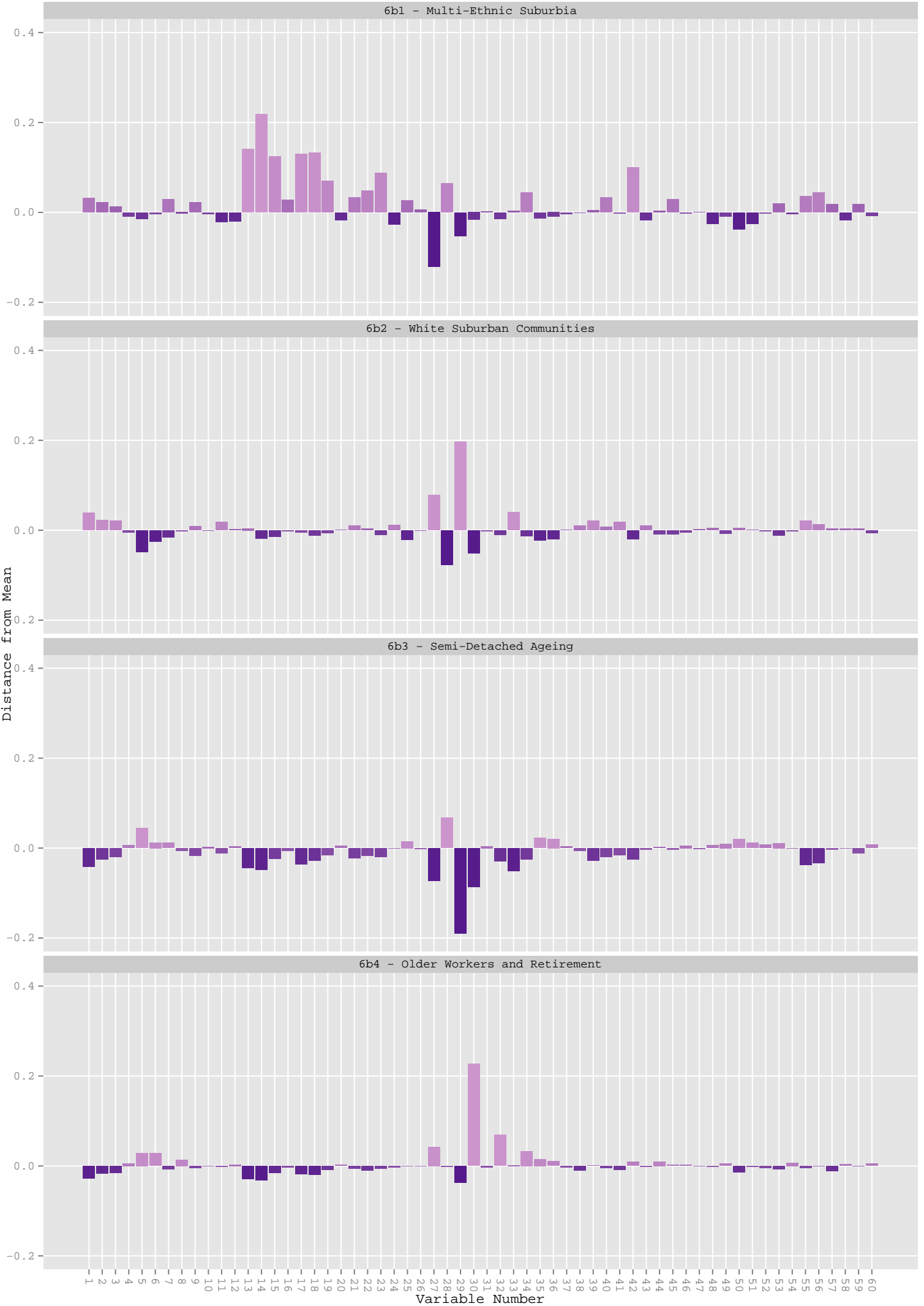
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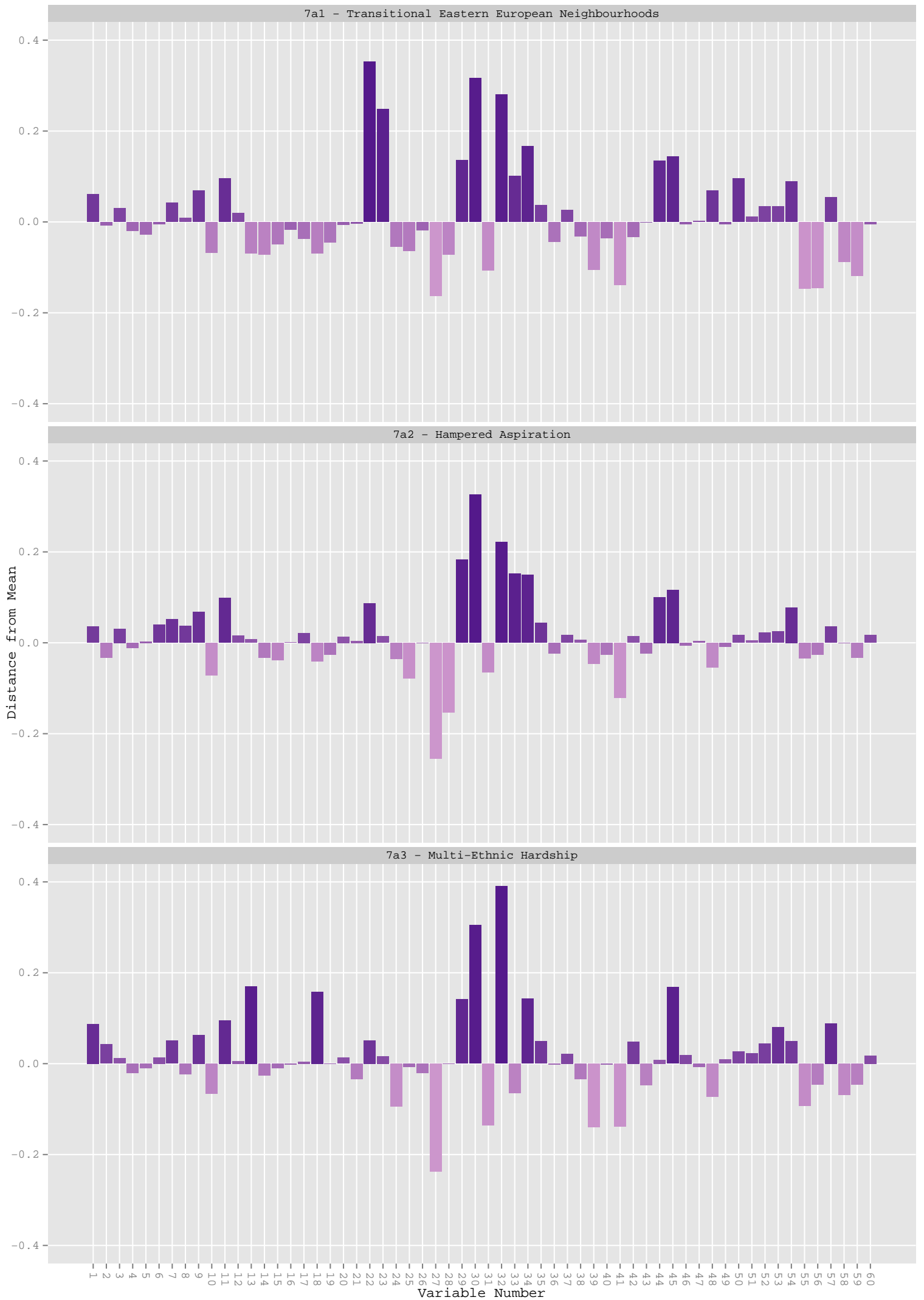
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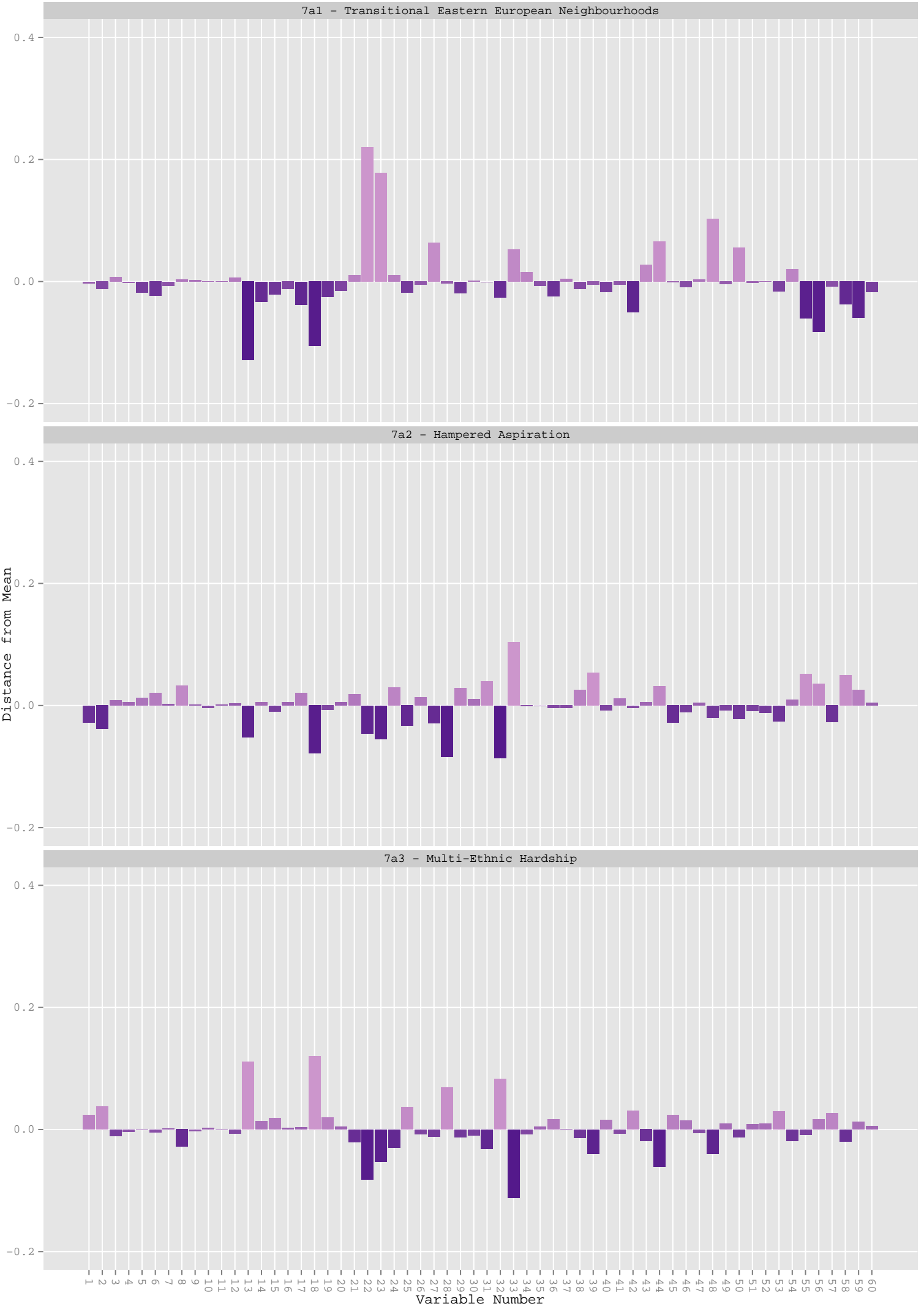
2011 OAC Subgroups - Parent Cluster Mean



2011 OAC Subgroups - UK Mean



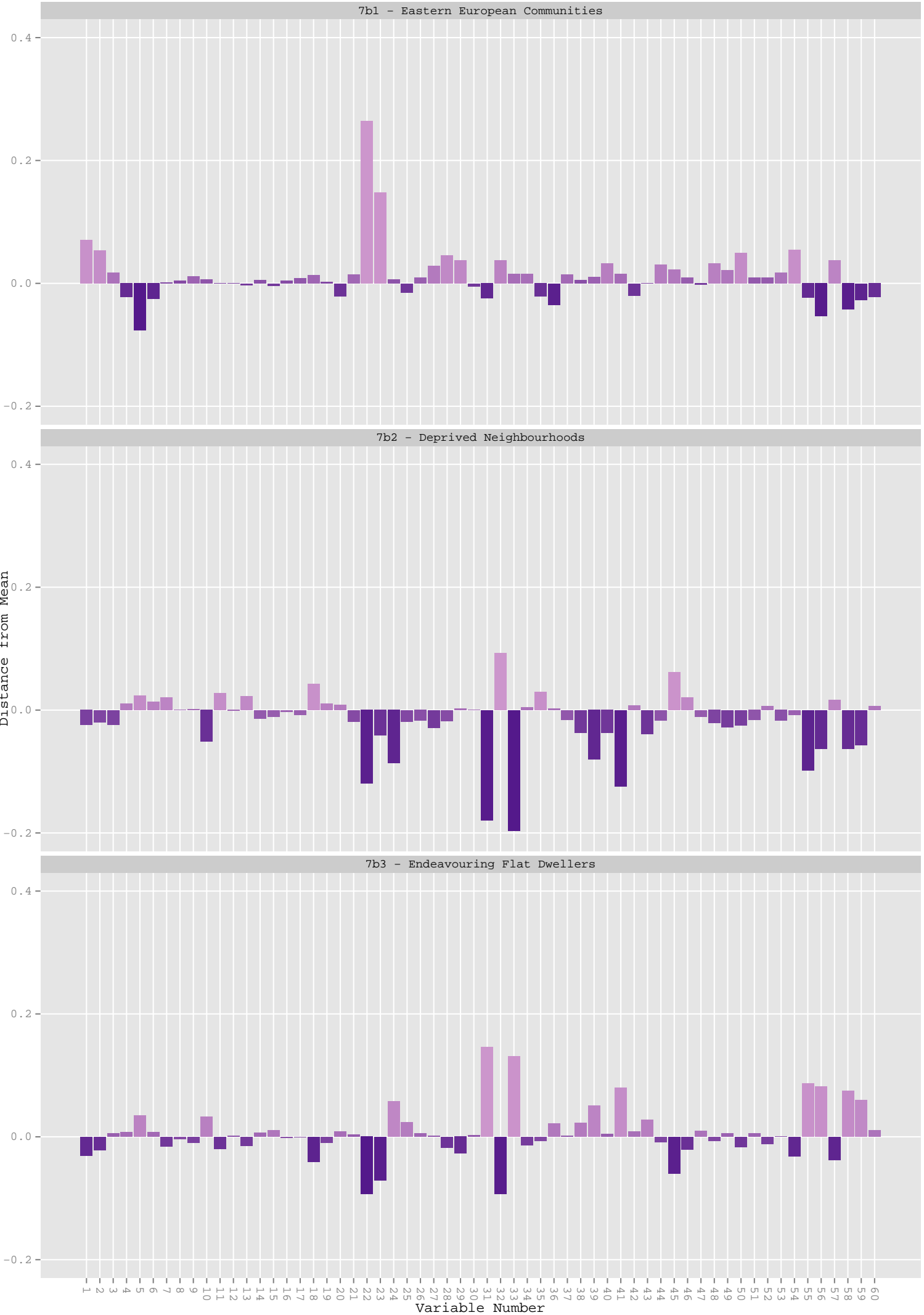
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2011 OAC Subgroups - UK Mean



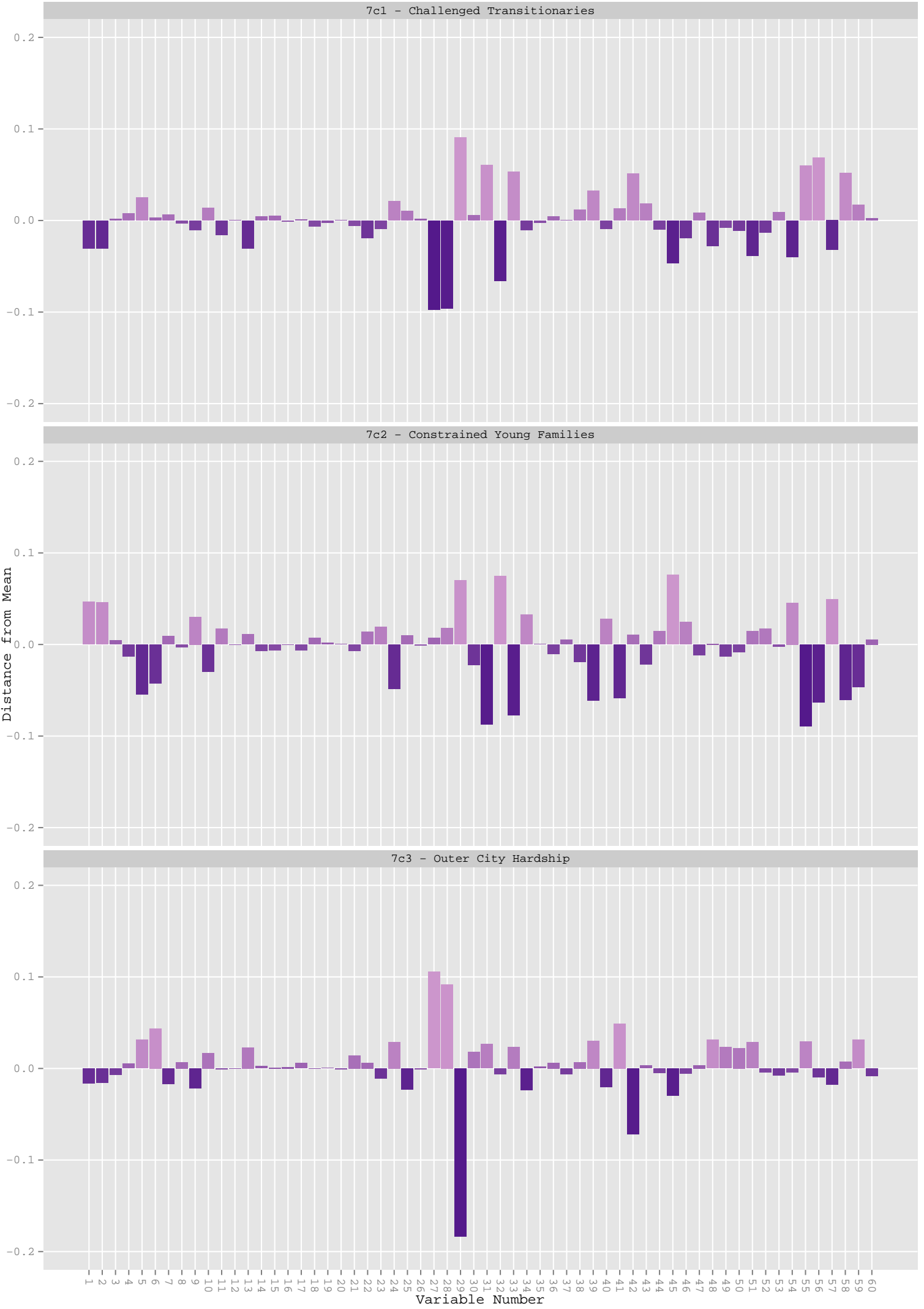
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2011 OAC Subgroups - UK Mean



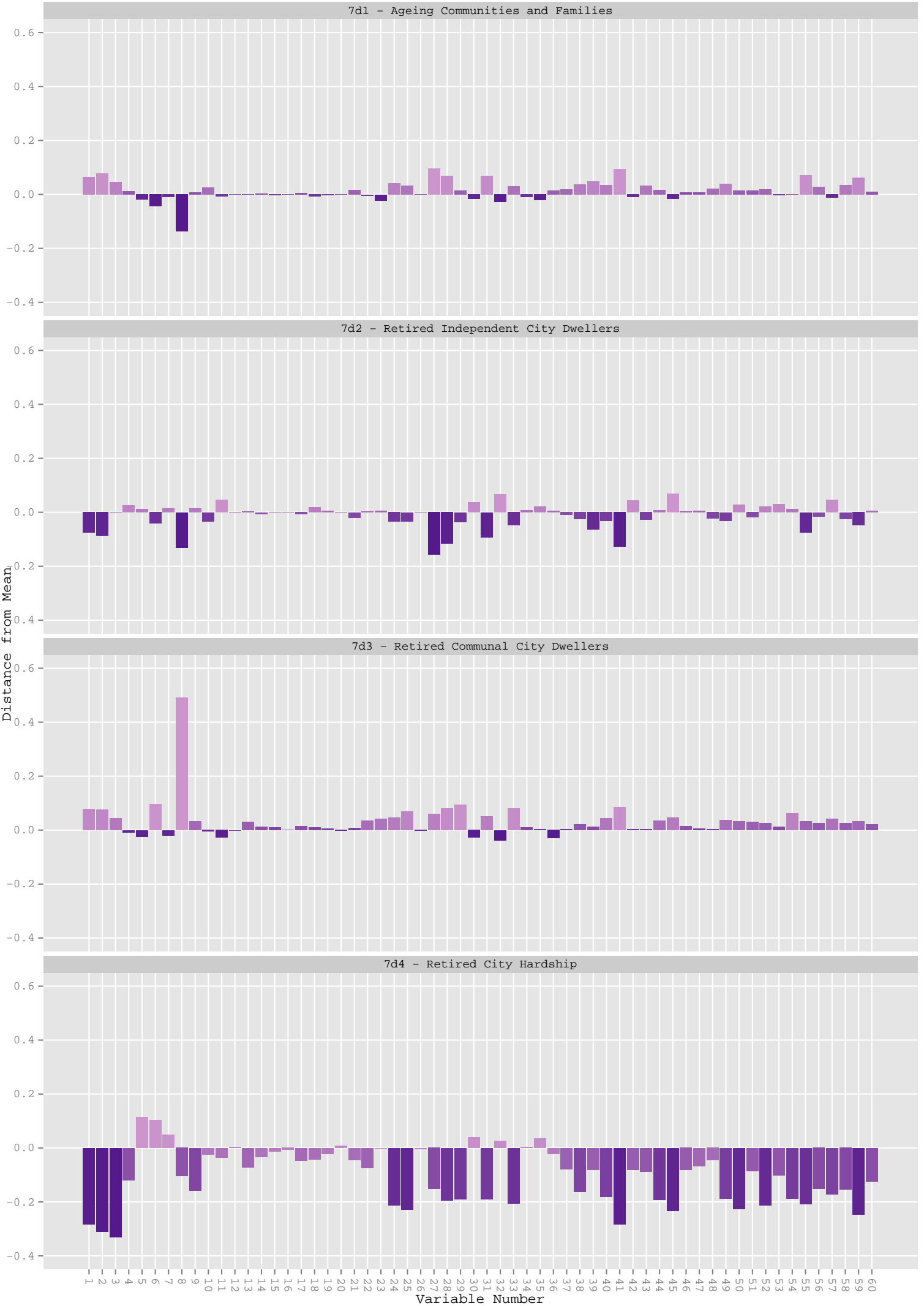
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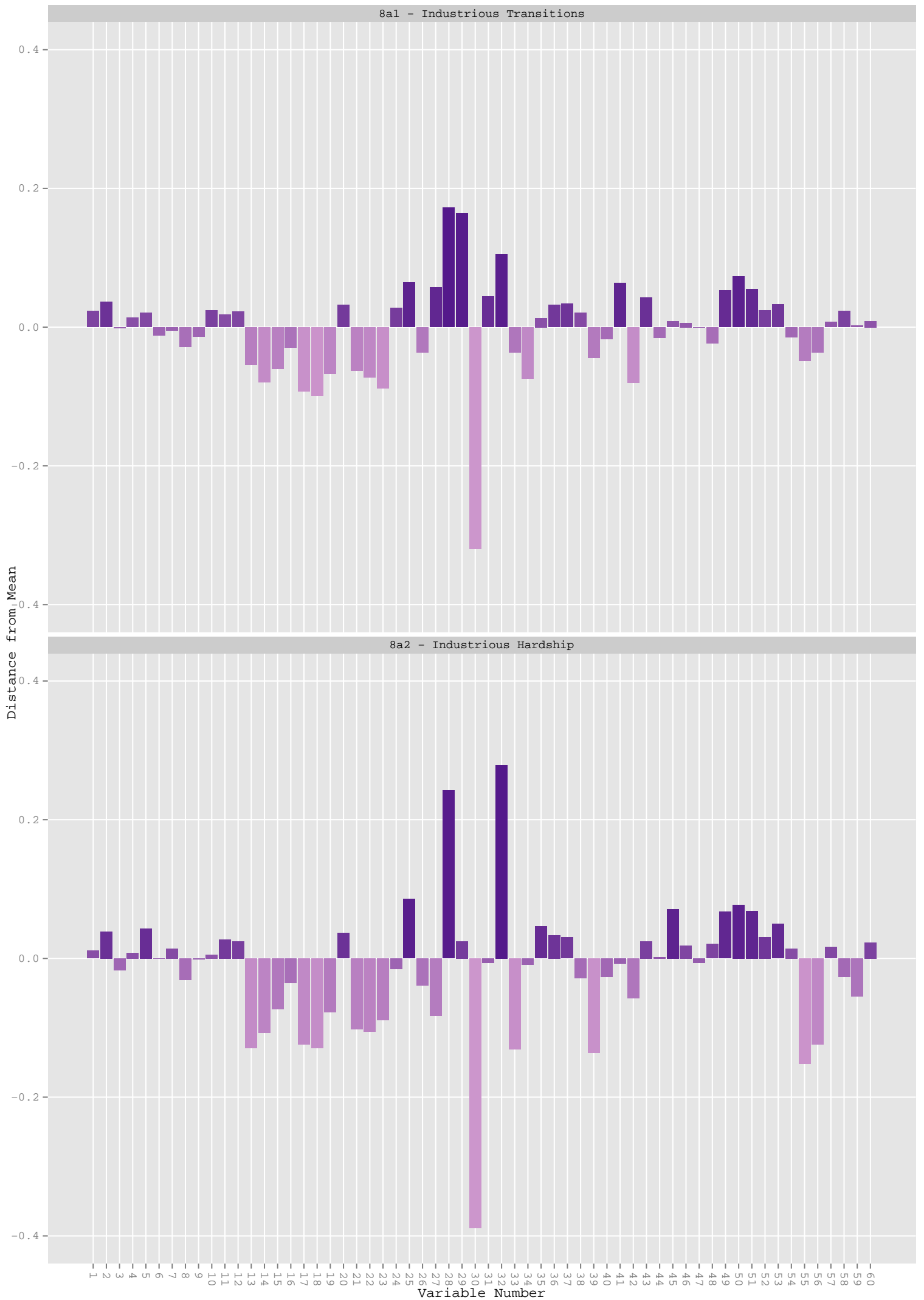
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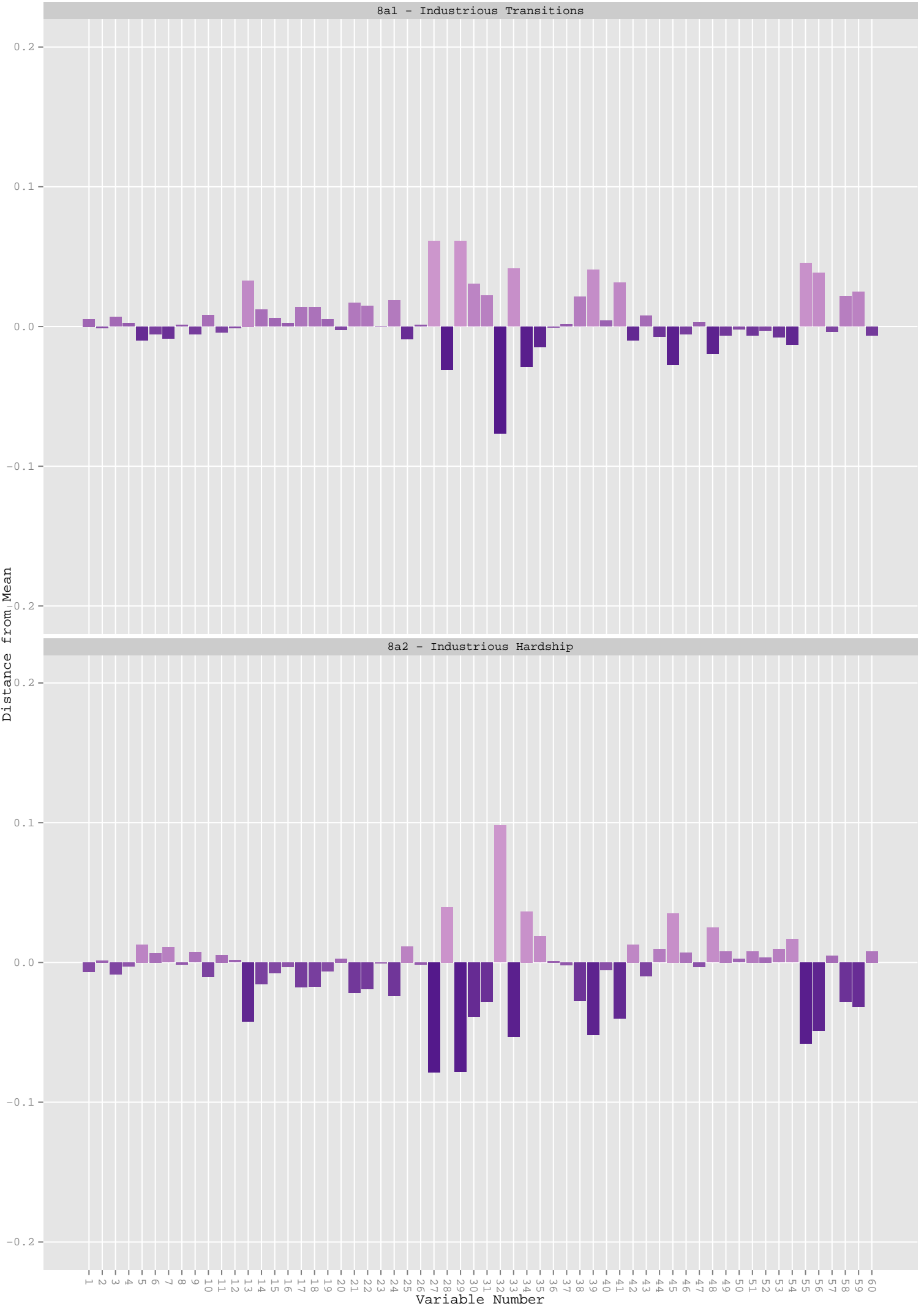
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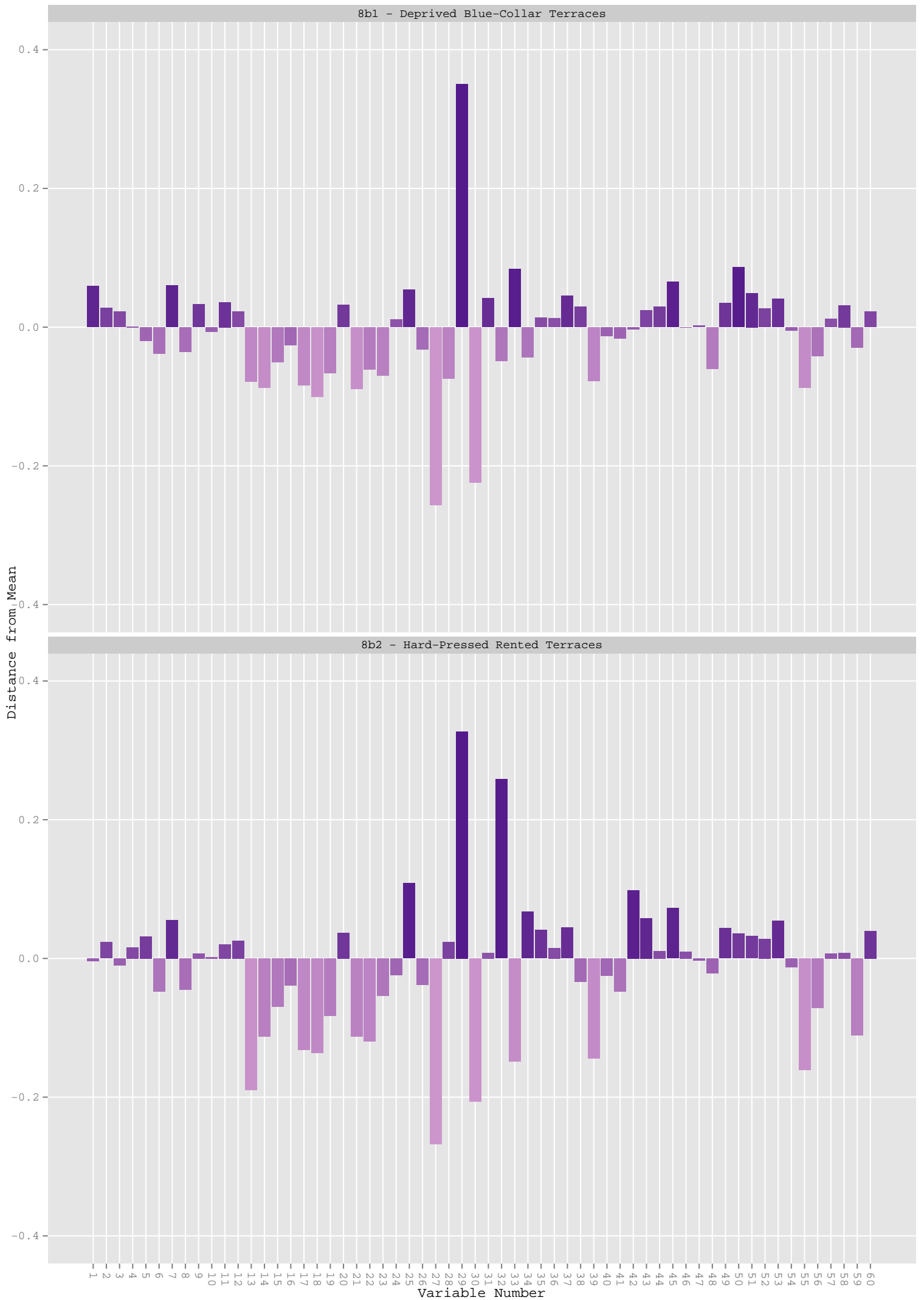
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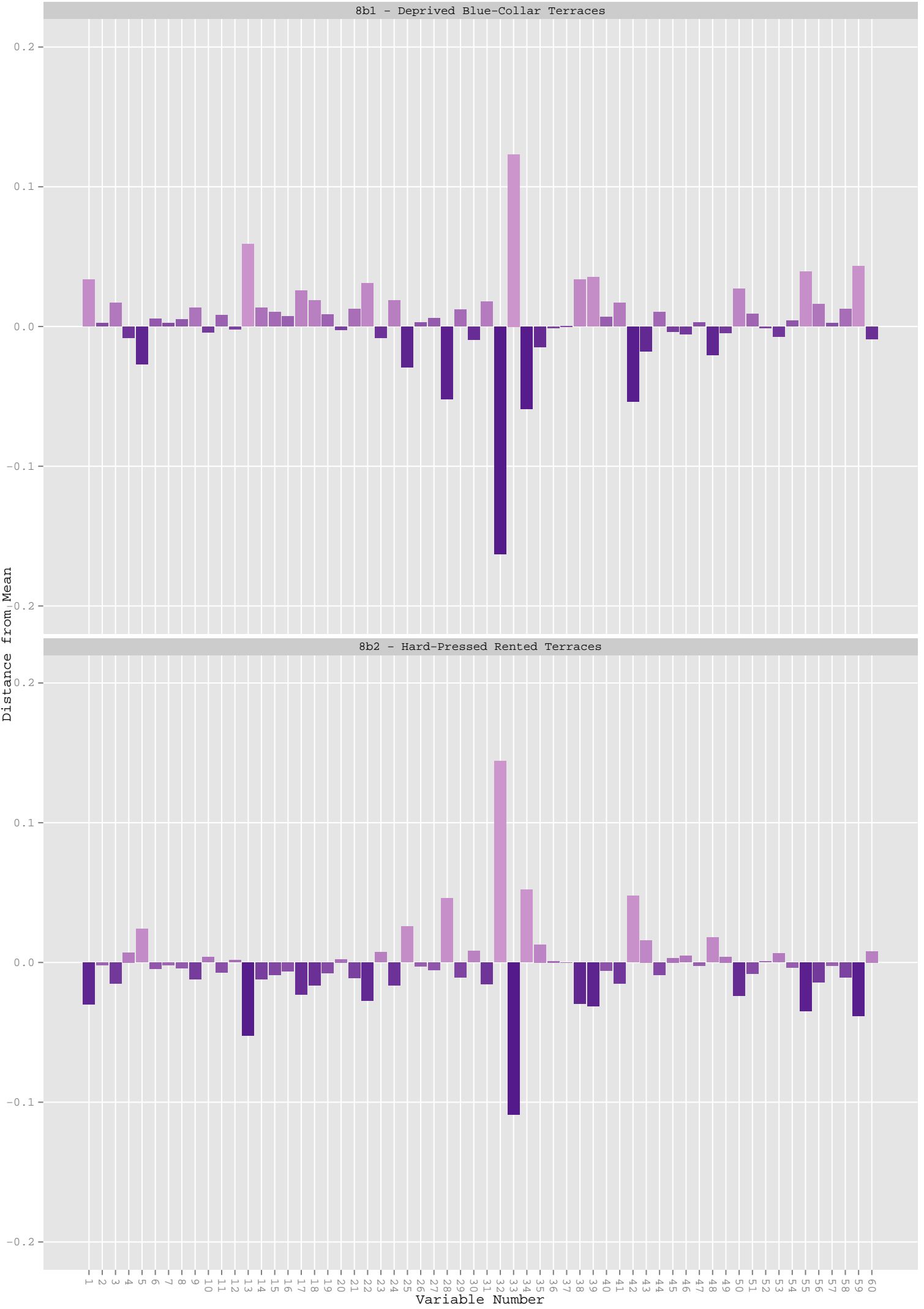
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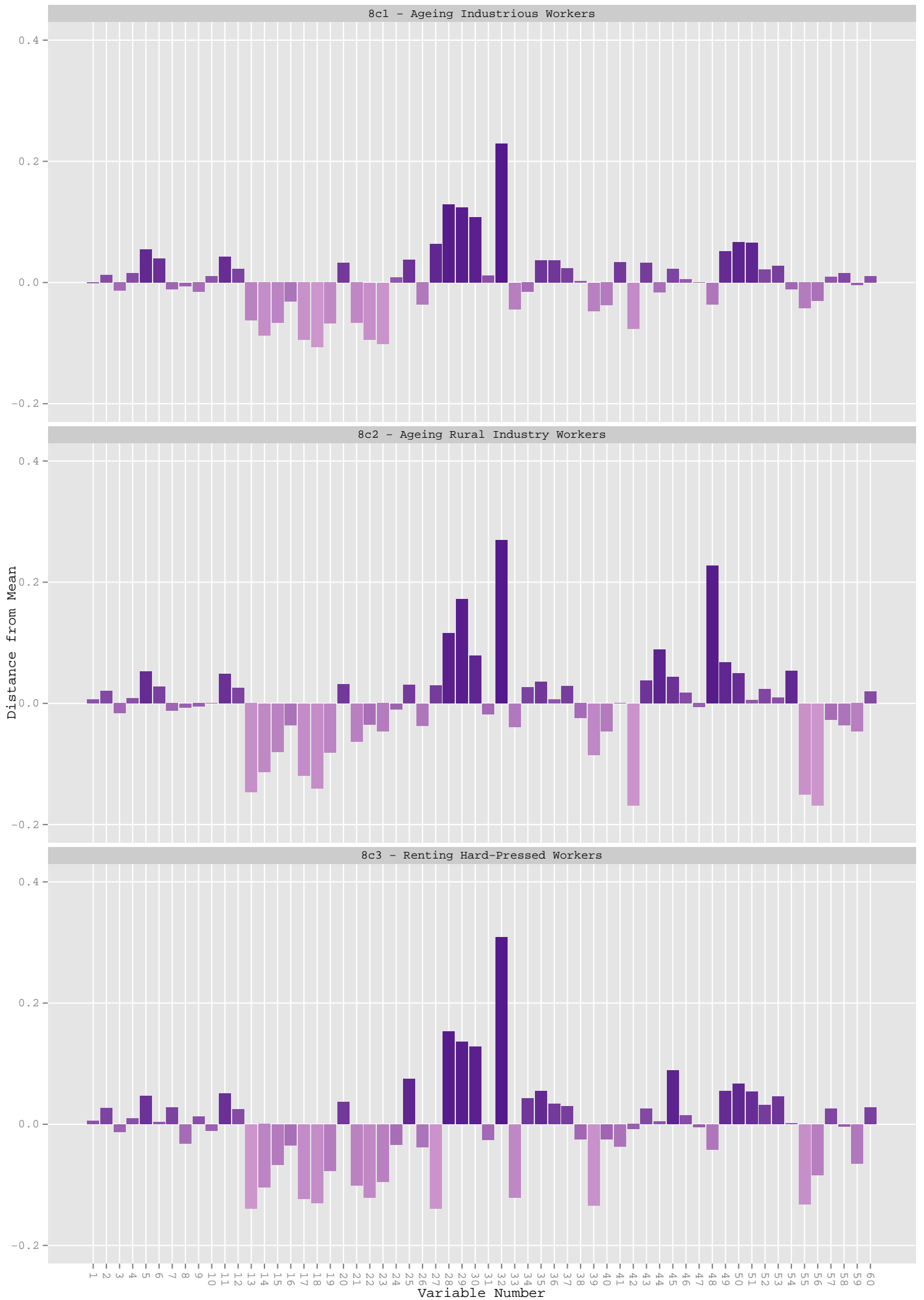
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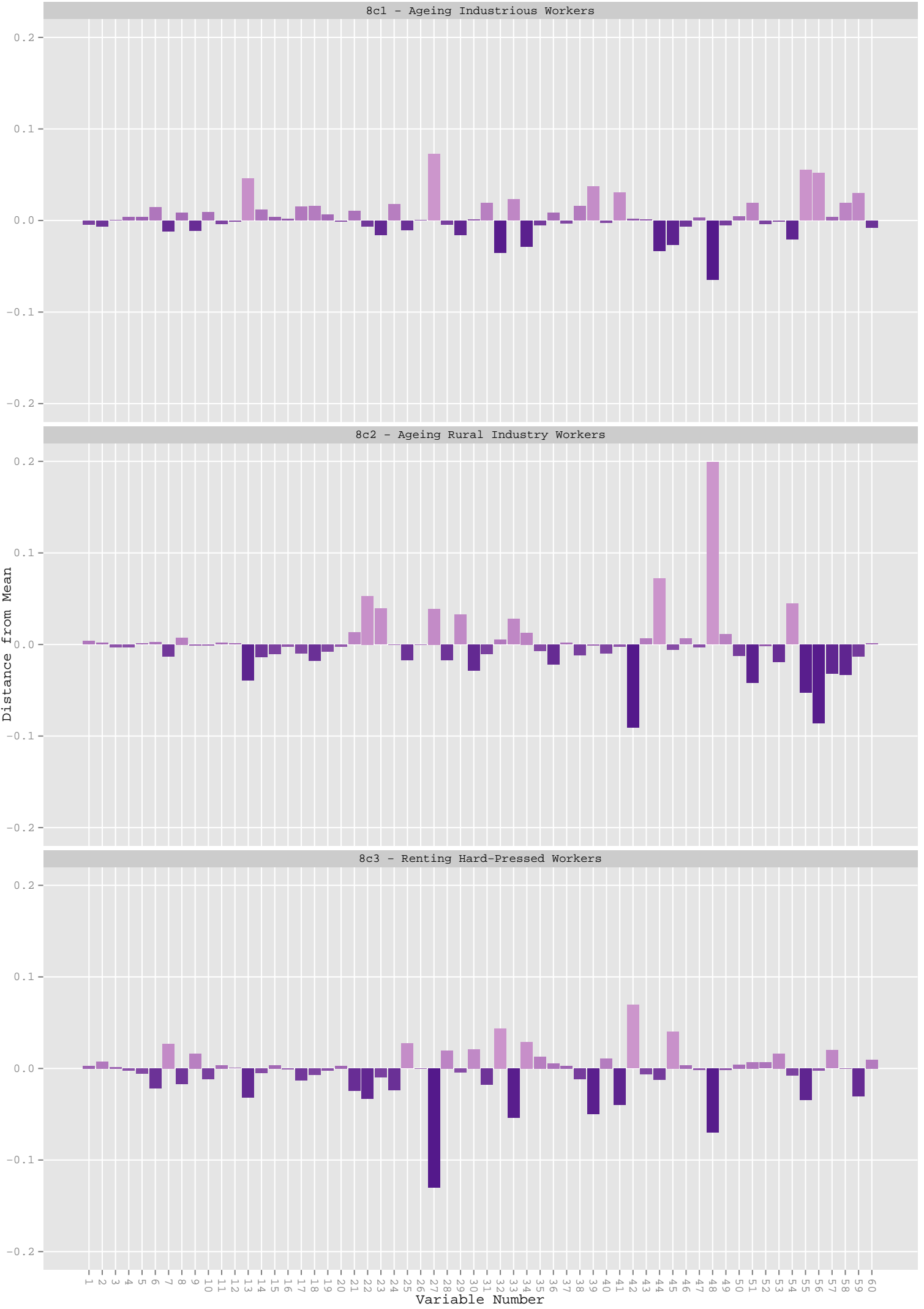
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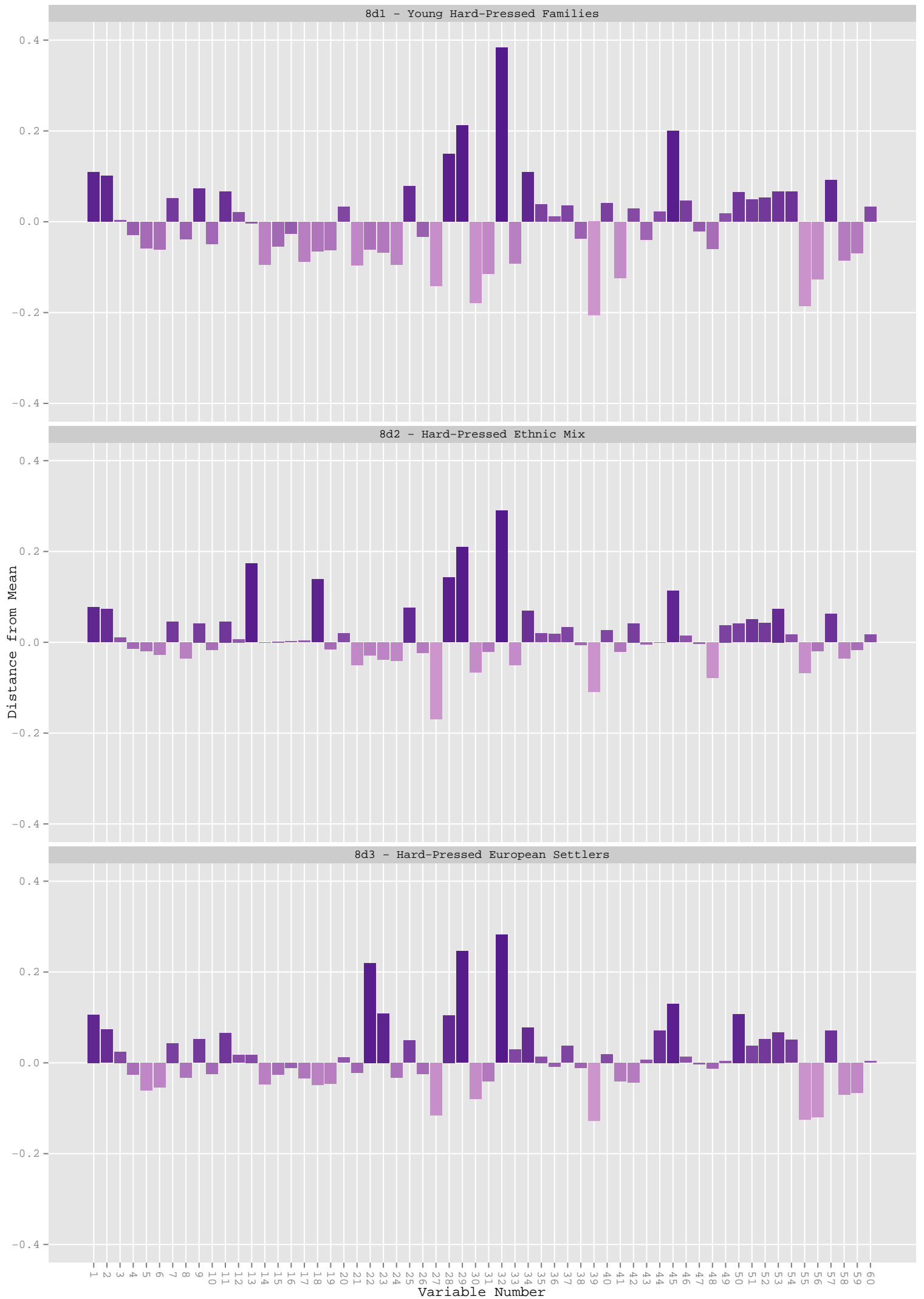
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