London Workplace Zones Classification:
Users' Guide

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1. Introduction

Following the 2011 Census of the Population, a new output geography called Workplace Zones was built for England and Wales to better represent working population distributions. Census outputs on this geography enabled the creation of geodemographic classifications of the workplace populations, starting with the Classification of Workplace Zones for England and Wales (COWZ-EW) developed by the University of Southampton (CoWZ: HTTP://COWZ.GEODATA.SOTON.AC.UK/). The current work builds on COWZ to construct a workplace typology for Greater London that gives better differentiation for London than the national classification.

A key feature of the new classification is that it includes a wider range of data, from both Census and other sources than just the workplace statistics. A variety of data sources were investigated for inclusion to reflect the domains considered relevant to this of: Employment Structure, Dynamism/Attractiveness, Employee Characteristics, Job Characteristics, Commuting/Connections and Residential Context. These domains were used purely as a conceptual framework for identifying data for inclusion. They play no further part in the subsequent analysis.

Following evaluation for availability at the appropriate geographical detail (and processing where necessary to achieve this), robustness, relevance and the value that they brought to the analysis, an original set of 152 indicators was narrowed down to 92 for inclusion in the development of the classification. Full detail of the variables, manipulation and selection are given in the Technical Report.

Each of these 92 variables was then included with equal weight in a cluster analysis which produced five groups within London with roughly even numbers of workplace zones in each. A second tier of sub groups was created using a second cluster analysis within each group. This resulted in 11 sub groups – four groups split into two sub groups each and the fifth with three sub groups.

After the cluster analysis had been completed, it was found that a few Workplace Zones in London showed implausible characteristics. Five of these could be clearly identified as wrong to the extent that we believe they would not have been created as workplace zones had the correct information been used and these workplace zones have therefore been suppressed in the published classification (Designated Group F in Section 3).

Various representations of the results have been produced. The London DataStore has pages at HTTPS://DATA.LONDON.GOV.UK/CENSUS/LWZC/ that not only allow users to download the raw

data or to select the data required in spreadsheet format, there are also pages that include a postcode search to find its zone, group and sub group and give interactive visual representations in the form of maps, spider charts and bar charts showing the variables for each group and sub group. The Consumer Data Research Centre also hosts interactive maps of the classification at HTTPS://MAPS.CDRC.AC.UK/#/GEODEMOGRAPHICS/LCOWZ17/, alongside a wide range of other maps, including the national Classification of Workplace Zones and the London Output Area Classification.   Charts in Appendix B of the technical report show for each variable how the group varies from the London average.
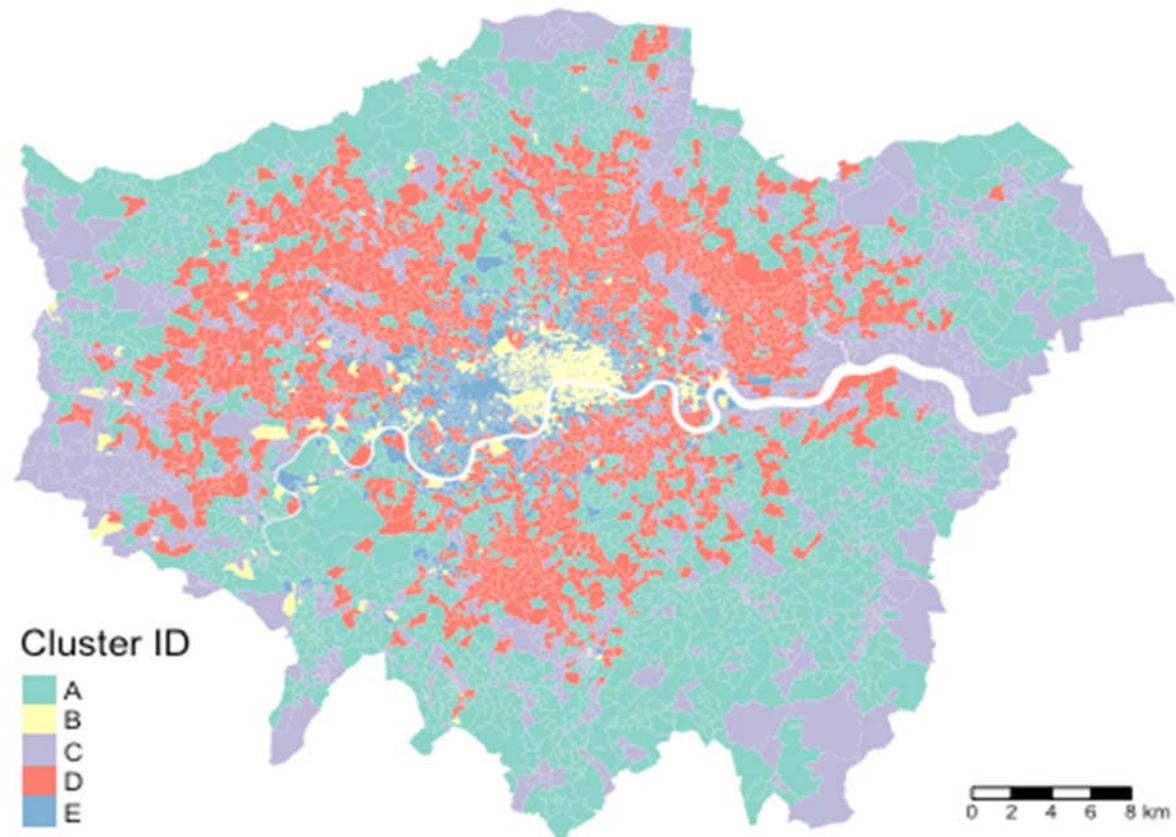
2. The Clusters

2.1 Group Level Clusters

A summary of the group level cluster distribution is shown in Table 1[1]. Both the workplace population and numbers of workplace zones are reasonably evenly distributed, except for one cluster, B, that contains nearly a third of the population, though the number of workplace zones is similar to that for the other groups. These clusters are mapped for London in Figure 1.

TABLE 1: GROUP LEVEL CLUSTERING RESULTS

Group	Total Population	WZ Frequency	Total Population Pct.	WZ Pct.
A	830,552	1,774	18.5	21.8
B	1,464,405	1,668	32.5	20.5
C	814,008	1,443	18.1	17.7
D	724,861	1,766	16.1	21.7
E	666,655	1,503	14.8	18.4

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[1] See note in the introduction regarding the additional Group F

Figure 1: Group Level Clustering Results Mapped

2.2 Sub Group Level Clusters

The second tier of the classification was created by using the original input data to create sub divisions of the Group level clusters shown above. After exploration of a range of results, those Sub Groups that showed the most effective partitioning in terms of within and between Group differentiation are presented in Table 2. All groups were partitioned into two except D, which split into three Sub Groups.

Table 2: Cluster distribution

Sub Group	Total Population	WZ Frequency	Total Population Pct.	WZ Pct.
A1	554,110	1,064	12.3	13.0
A2	276,442	710	6.1	8.7
B1	406,049	294	9.0	3.6
B2	1,058,356	1,374	23.5	16.9
C1	211,154	407	4.7	5.0
C2	602,854	1,036	13.4	12.7
D1	233,217	571	5.2	7.0
D2	194,466	535	4.3	6.6
D3	297,178	660	6.6	8.1
E1	431,987	945	9.6	11.6
E2	234,668	558	5.2	6.8

3. Describing the clusters

3.1 Overview

There are various ways in which the clusters can be described: some of these are given in the Technical Report, while maps and other visual representations are available on the web sites given above.

In these representations, the figures for the average score on each variable for each cluster are often given relative to the London average. Commonly these scores are presented as an index score, where 100 equates to the average, 50 a half, and 200 as double. It is common practice to examine scores with an index of over 120; however, also considering those scores that may be as a result of a low count within Greater London. For each cluster, those variables that have a score over 120 were selected, and are presented in the profiles below.

The Groups and Sub Groups were assigned names and summary descriptions based on the characteristics which particularly stood out. However, these should not be taken to mean that these are the only differences from the London average, nor that they apply equally to all workplace zones within each cluster. The final hierarchy of labels are presented on the next page; and the fuller profiles and descriptions in the next two sections.

- **Group – A: Residential Services**

    o A1: Predominantly older, local education and health workers

    o A2: Lowly qualified workers in construction and allied local trades

- **Group – B: City Focus**

    o B1: Dynamic financial centres with extended operating hours

    o B2: Professional, retail and leisure Services in dynamic central locations

- **Group – C: Infrastructure Support**

    o C1: Younger customer service workers in wholesale or retail occupations

    o C2: Blue collar, manufacturing and transport services

- **Group – D: Integrating and Independent Service Providers**

    o D1: Health care support staff and routine service occupations

    o D2 Locally sourced, home helps and domestic or manual workers

    o D3: Travelling or home-based general service providers

- **Group – E: Metropolitan Destinations**

    o E1: High street destinations and domestic employers

    o E2: Accessible retail, leisure and tourist services

- **F- Data Not Available**

    o FF: Data not available

3.2 Additional information used in describing the clusters

Two elements of data were used in creating the more detailed profiles describing the clusters, given in sections 3.3 and 3.4 below. Data not used in creating the clusters, but collected as part of the original data collection and evaluation, particularly data on the residential context were considered and data from footfall sensors[2]. were used to explore the dynamics of workplace zones. It should be noted that these sensors are not distributed evenly between clusters, or spatially: Westminster workplace zones are more likely to include footfall sensors than some other areas, as shown in Figure 2.

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[2] From a StreetSmart sensor project also carried out by the authors of this report. See http://www.localdatacompany.com/smartstreetsensor-project

Figure 2: Spatial distribution of the sensors
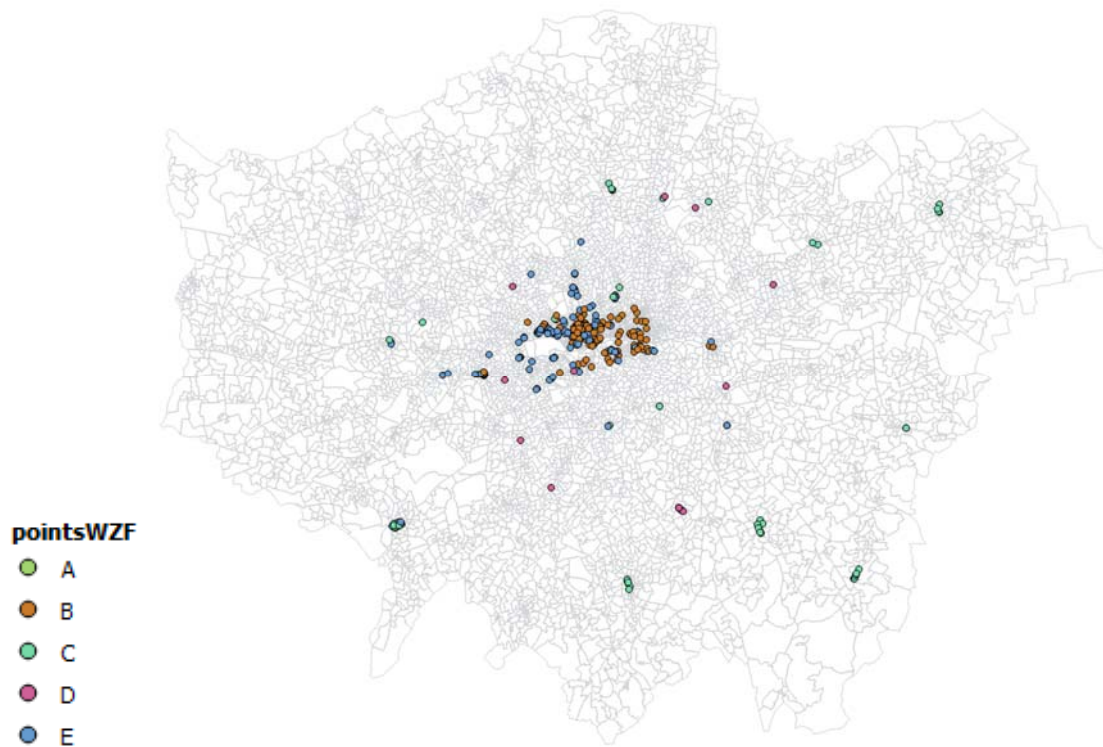
The average footfall for each cluster was calculated from the available observations. These varied by time of day and day of the week. The charts generated to show this are given in Figure 3-6.

FIGURE 3: AVERAGE OF FOOTFALL BY TIME OF THE DAY, WEEKDAYS (GROUPS)
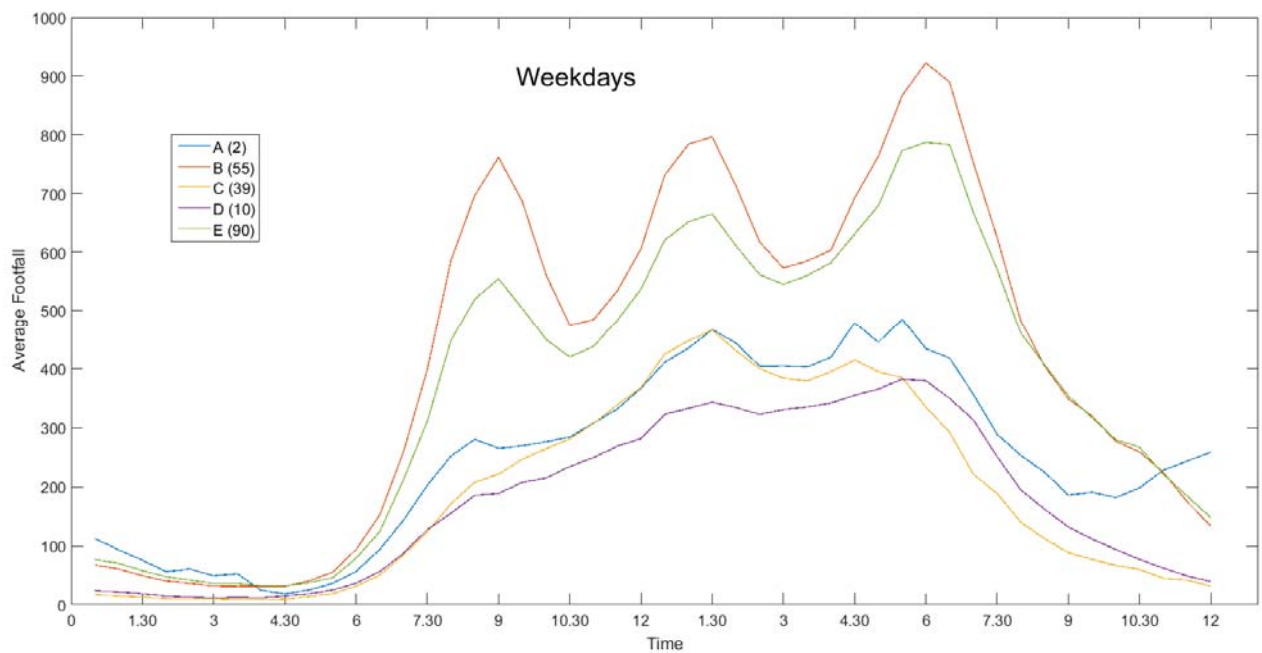
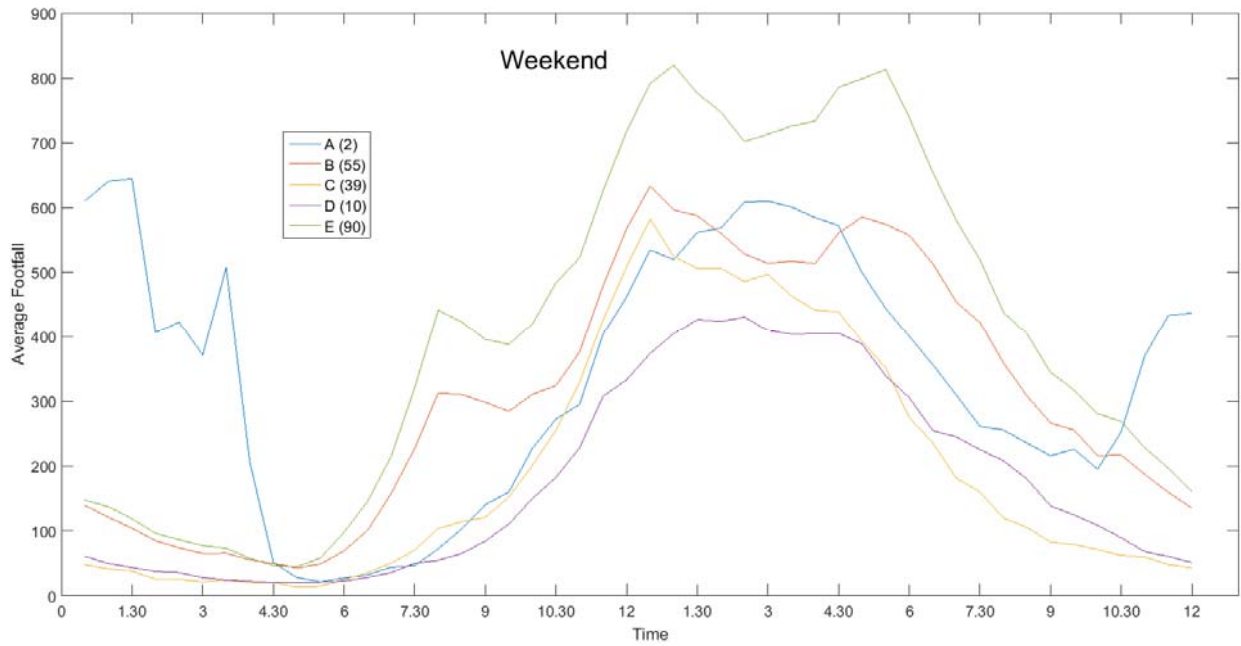**FIGURE 4: AVERAGE OF FOOTFALL BY TIME OF THE DAY, WEEKENDS (GROUPS)**

FIGURE 5: AVERAGE OF FOOTFALL BY TIME OF THE DAY, WEEKDAYS (SUB GROUPS)
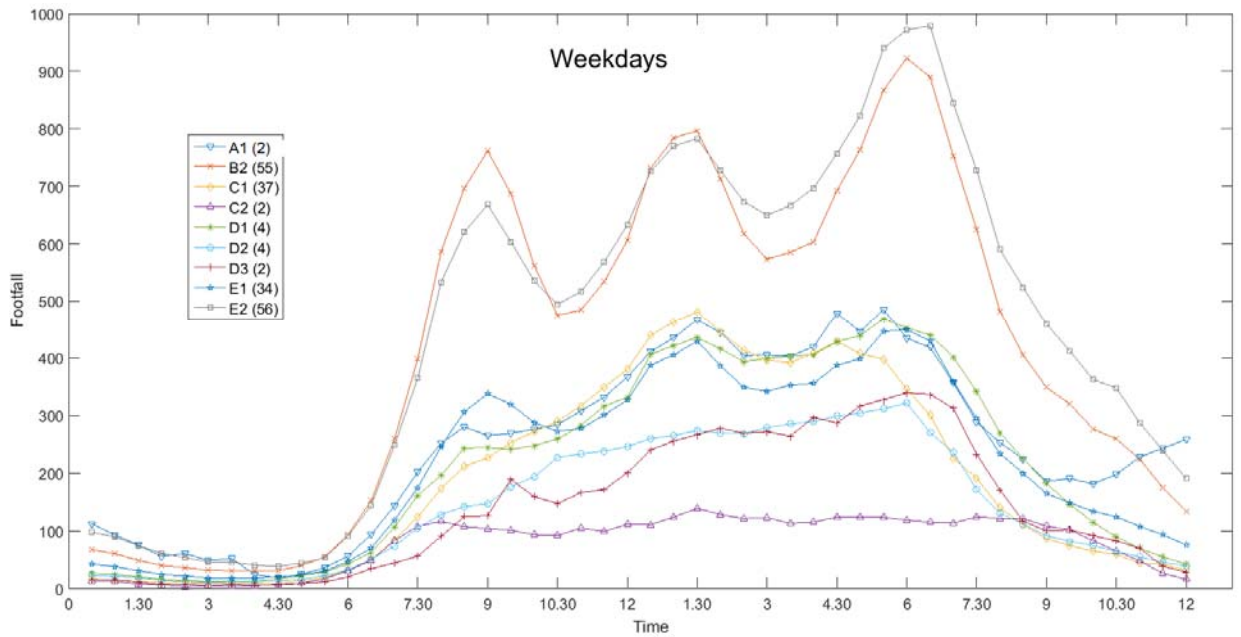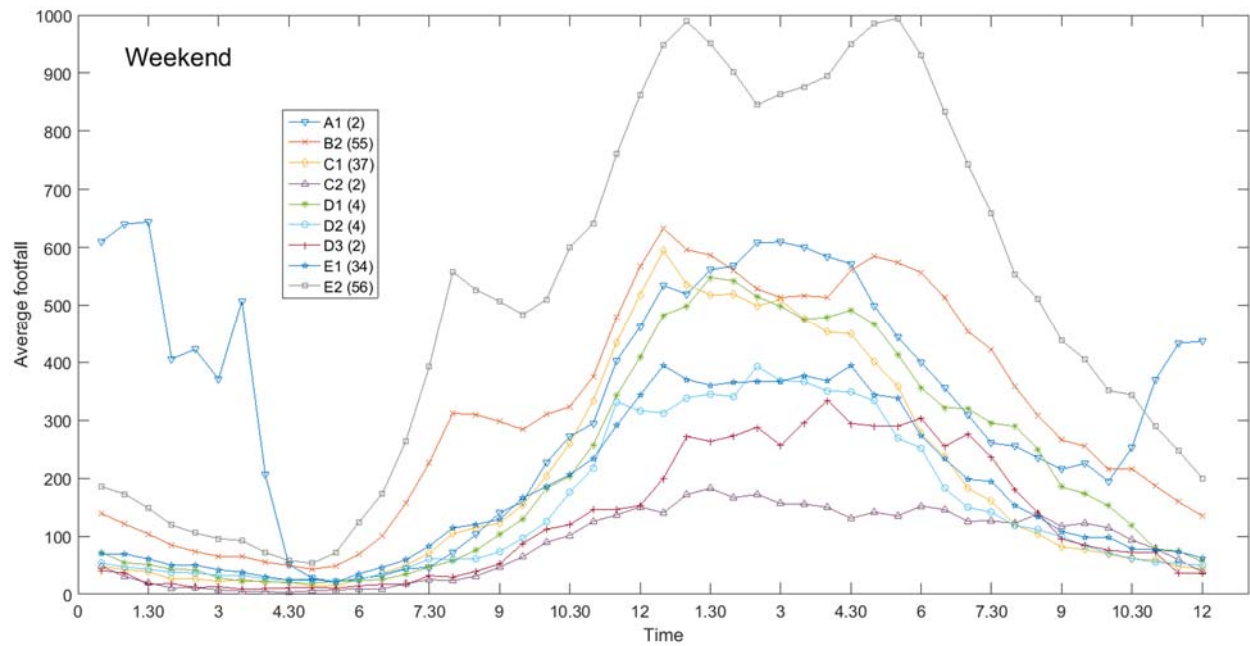
3.3 Group Profiles

The following section presents descriptive profiles for the Group level of the typology.

Group – A: Residential Services
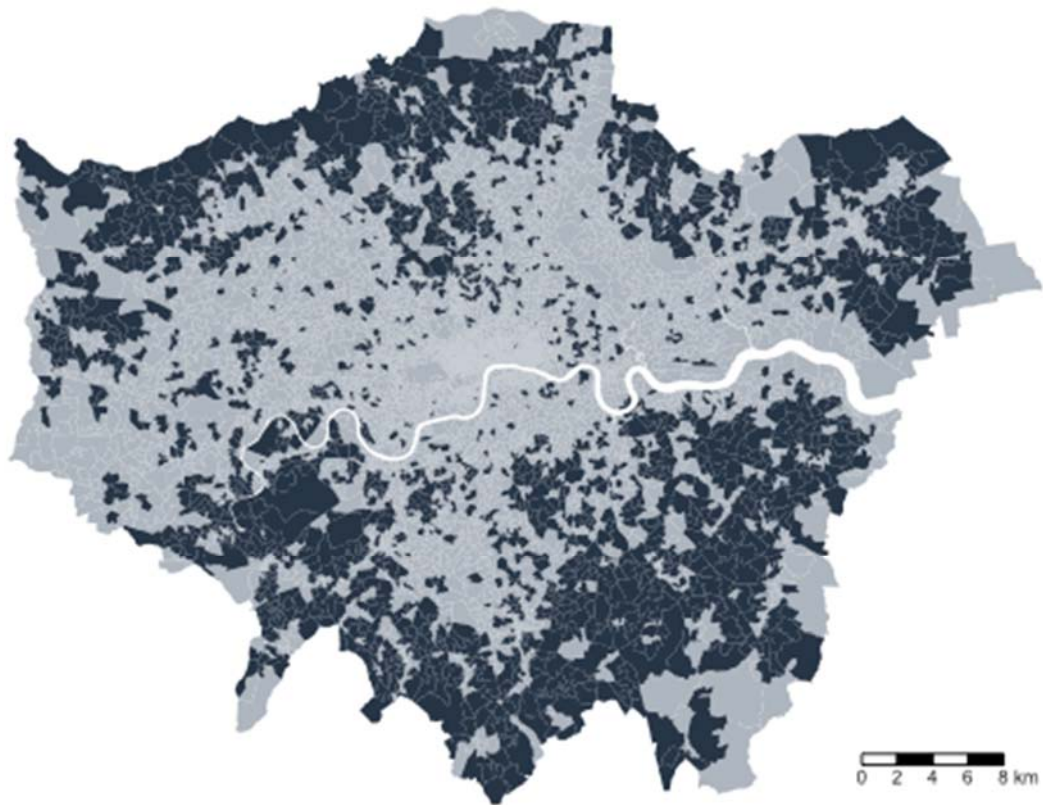
These workplace zones are characterized by services offered to local communities by local community members. Occupations include classroom assistants, domestic assistants and self employed cleaners. Workers, particularly women are typically older than average and some above normal retirement age.

Profiles – Group A

Domain - Dynamism / Attractiveness

No scores over 120

Domain - Employment Structure

Index Score	Description
234	P Education
167	6 Caring, leisure and other service occupations
164	Q Human health and social work activities
129	F Construction
129	2 Professional occupations
126	T Activities of households as employers
121	5 Skilled trades occupations

Domain - Residential Context

Index Score	Description
163	Worker / Residential population mix
133	Old age dependency ratio
123	Economically Inactive: Retired

Domain - Commuting / Connections

Index Score	Description
174	Work mainly at or from home
157	Taxi
150	No fixed place
142	Driving a car or van
137	Less than 2km
130	Passenger in a car or van

Domain - Employee Characteristics

Index Score	Description
163	Female 65-74
149	Female 40-64
146	All 65-74
135	Male 65-74
122	All 40-64

Domain - Job Characteristics

Index Score	Description
154	Self-employed without employees: Part-time
138	Part-time: 15 hours or less worked
135	Self-employed without employees: Full-time
135	4. Small employers and own account workers
133	Employee: Part-time
129	Apprenticeship
127	Part-time: 16 to 30 hours worked

Group – B: City Focus
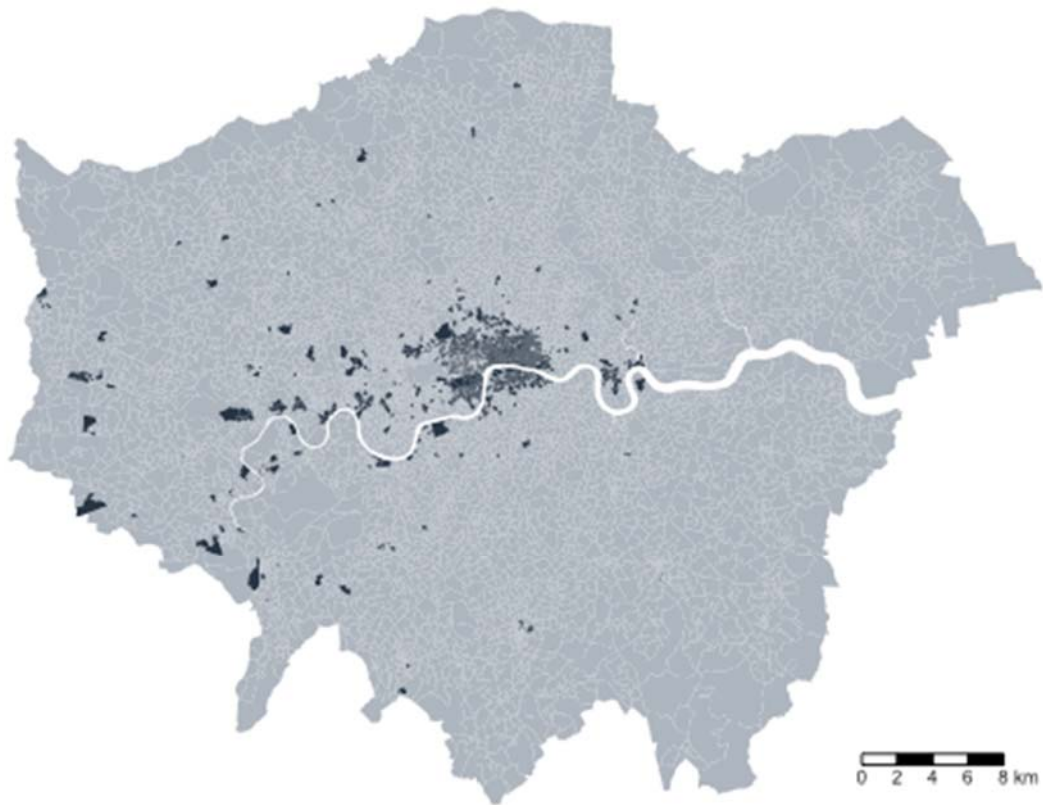
These areas bring focus to a range of specialised professional activities. They also host more general support services and retail activities. The portfolio of over-all activities may also be catalytic to the vitality of nighttime economies. Workers in all of these activities are predominantly drawn from a core (age 25-39) labour force.

Profiles – Group B

Domain - Dynamism / Attractiveness

Index Score	Description
231	Night time retail / leisure density

Domain - Employment Structure

Index Score	Description
341	Density (number of persons per hectare)
264	K Financial and insurance activities
258	B Mining and quarrying
228	Leisure retail density
208	M Professional, scientific and technical activities
192	Retailer density
187	J Information and communication
179	Comparison retail density
166	Service retail density
164	Convenience retail density
153	O Public administration and defence; compulsory social security
150	3 Associate professional and technical occupations
147	2 Professional occupations
133	4 Administrative and secretarial occupations
129	U Activities of extraterritorial organisations and bodies
126	1 Managers, directors and senior officials

Domain - Residential Context

Index Score	Description
133	Aged 16-24
123	Socially Rented

Domain - Commuting / Connections

Index Score	Description
262	40km to less than 60km
238	Train
225	60km and over
225	PTAL average
212	30km to less than 40km
183	20km to less than 30km
181	Underground, metro, light rail or tram

168	10km to less than 20km
159	Average distance (km)
151	Bicycle
149	Proportion of commuting from outside of London
137	Motorcycle, scooter or moped
133	5km to less than 10km

Domain - Employee Characteristics

Index Score	Description
129	Europe: EU countries: Member countries in March 2001: Total
124	Female 25-39
123	All 25-39
122	Male 25-39

Domain - Job Characteristics

Index Score	Description
200	1. Higher managerial, administrative and professional occupations
143	Level 4 qualifications and above
139	Employee: Full-time
135	Full-time: 49 or more hours worked
124	2. Lower managerial, administrative and professional occupations

Group – C: Infrastructure Support
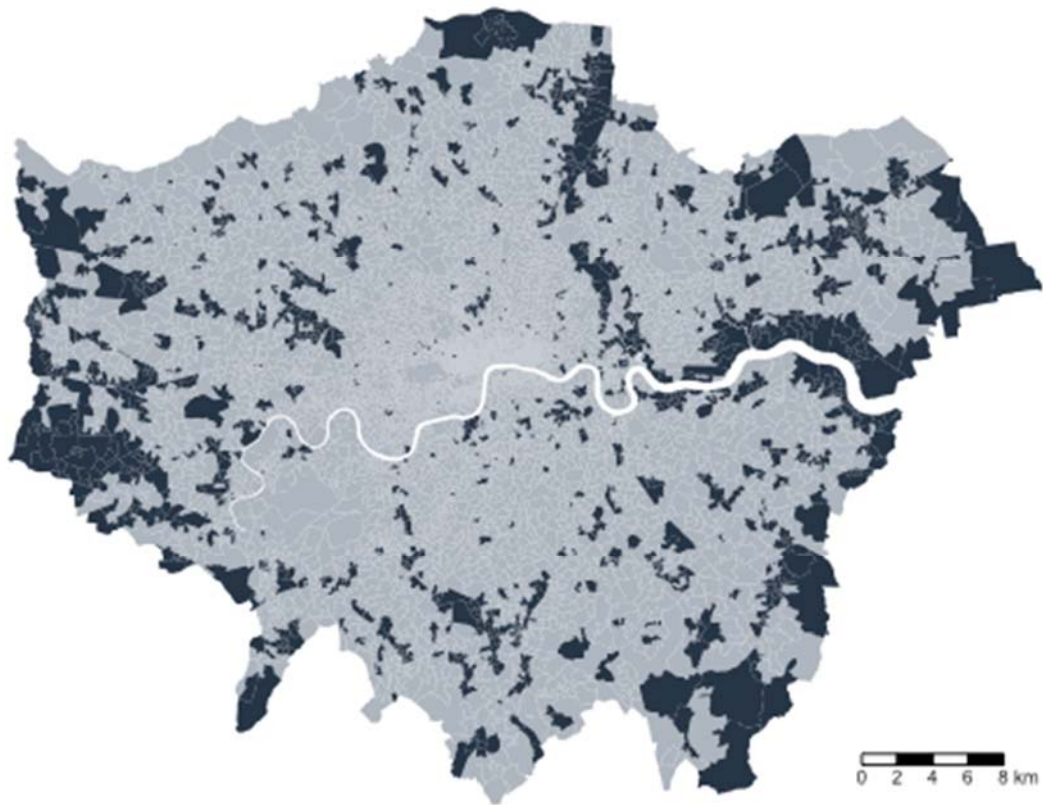
Workers in these areas provide direct or indirect support for the physical infrastructure of the economy – in transport, utilities and the retail trade. Workers are drawn from the traditional workforce and there is strong labour force participation from Asian ethnic minorities.

Profiles – Group C

Domain - Dynamism / Attractiveness

No scores over 120

Domain - Employment Structure

Index Score	Description
292	E Water supply; sewerage, waste management & remediation activities
235	H Transport and storage
219	C Manufacturing
214	8 Process, plant and machine operatives
184	G Wholesale and retail trade; repair of motor vehicles and motor cycles
183	7 Sales and customer service occupations
152	D Electricity, gas, steam and air conditioning supply
142	A Agriculture, forestry and fishing
134	O Public administration and defence; compulsory social security
133	9 Elementary occupations

Domain - Residential Context

Index Score	Description
120	Dependent children in household: All ages

Domain - Commuting / Connections

Index Score	Description
185	Passenger in a car or van
180	Driving a car or van
139	2km to less than 5km
137	Proportion of commuting from outside of London
133	30km to less than 40km
128	20km to less than 30km
124	Less than 2km

Domain - Employee Characteristics

Index Score	Description
136	Male 16-24
132	Asian/Asian British: Indian
127	Middle East and Asia: Southern Asia: Total
125	All 16-24
122	Male 40-64
121	Asian/Asian British: Pakistani

Domain - Job Characteristics

Index Score	Description
168	7. Routine occupations
166	Apprenticeship
158	5. Lower supervisory and technical occupations
158	Level 1 qualifications
152	No qualifications
148	6. Semi-routine occupations
139	Level 2 qualifications

Group – D: Integrating and Independent Service Providers
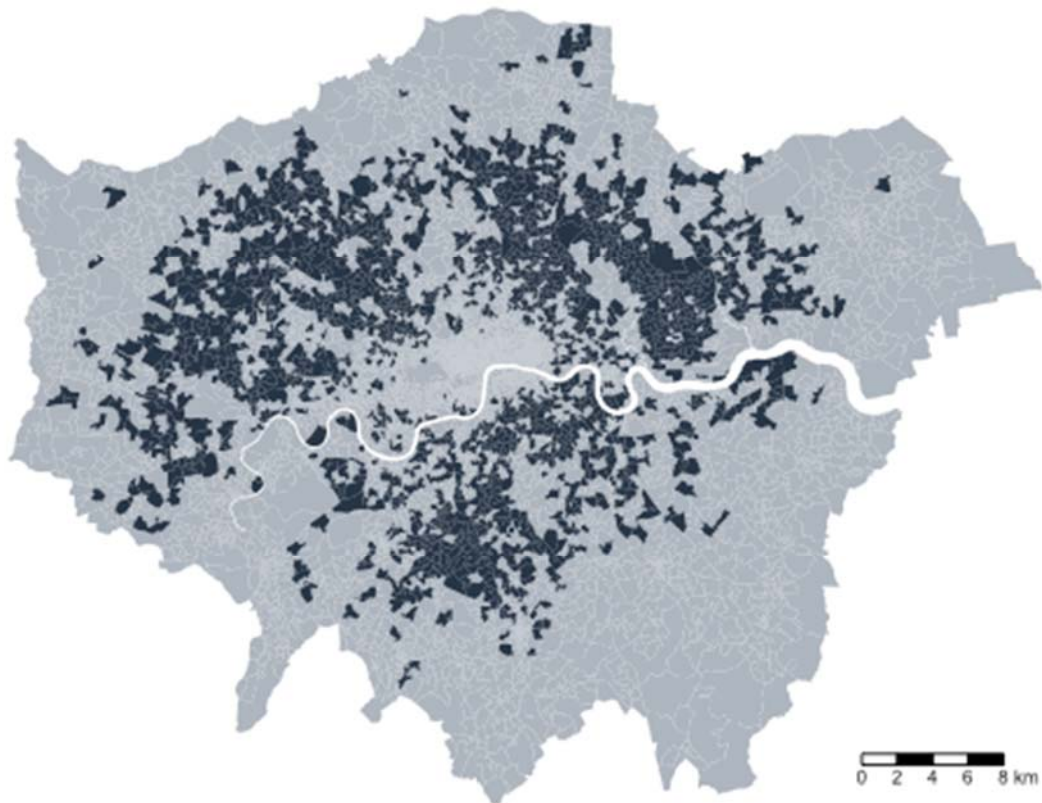
These areas are characterised by high levels of self employment, and significant numbers work part-time. Workers may be based at home, or travel to deliver services to local communities. The areas attest to the dynamism of London's economy in recent years, providing employment for recent migrants and longer settled members of ethnic minorities. These zones predominantly make up an annular tract of land surrounding the inner core of London.

Profiles – Group D

Domain - Dynamism / Attractiveness

Index Score	Description
135	Workplace % change 2009 - 2015

Domain - Employment Structure

Index Score	Description
168	T Activities of households as employers
159	F Construction
150	5 Skilled trades occupations
138	6 Caring, leisure and other service occupations
130	8 Process, plant and machine operatives
126	9 Elementary occupations
124	Q Human health and social work activities
121	N Administrative and support service activities

Domain - Residential Context

Index Score	Description
206	Worker / Residential population mix
125	Dependent children in household: All ages
121	Unemployment

Domain - Commuting / Connections

Index Score	Description
226	No fixed place
180	Work mainly at or from home

Domain - Employee Characteristics

Index Score	Description
179	Europe: EU countries: Accession countries April 2001 to March 2011: Total
171	Asian/Asian British: Pakistani
159	Middle East and Asia: Southern Asia: Total
158	The Americas and the Caribbean: The Caribbean: Total
156	Africa: Central and Western Africa
150	Asian/Asian British: Bangladeshi
150	Black/African/Caribbean/Black British: African
146	White: Gypsy or Irish Traveller
144	Black/African/Caribbean/Black British: Caribbean
143	Black/African/Caribbean/Black British: Other Black
139	Resident in UK: 5 years or more but less than 10 years

137	Resident in UK: 2 years or more but less than 5 years
136	Other ethnic group: Any other ethnic group
135	Country of birth non UK
134	Social rented: Total
133	Resident in UK: 10 years or more
133	Asian/Asian British: Indian
132	Asian/Asian British: Other Asian
130	Resident in UK: Less than 2 years
130	Bad & Very Bad Health
130	White: Other White
127	Middle East and Asia: Middle East: Total
127	Africa: North Africa
125	Other ethnic group: Arab
125	Central and South America
122	Africa: South and Eastern Africa
120	Fair Health

Domain - Job Characteristics

Index Score	Description
184	Self-employed without employees: Part-time
179	4. Small employers and own account workers
171	Self-employed with employees: Part-time
168	Self-employed without employees: Full-time
150	Other qualifications
138	No qualifications
133	Part-time: 16 to 30 hours worked
128	Part-time: 15 hours or less worked
128	Self-employed with employees: Full-time

Group – E: Metropolitan Destinations
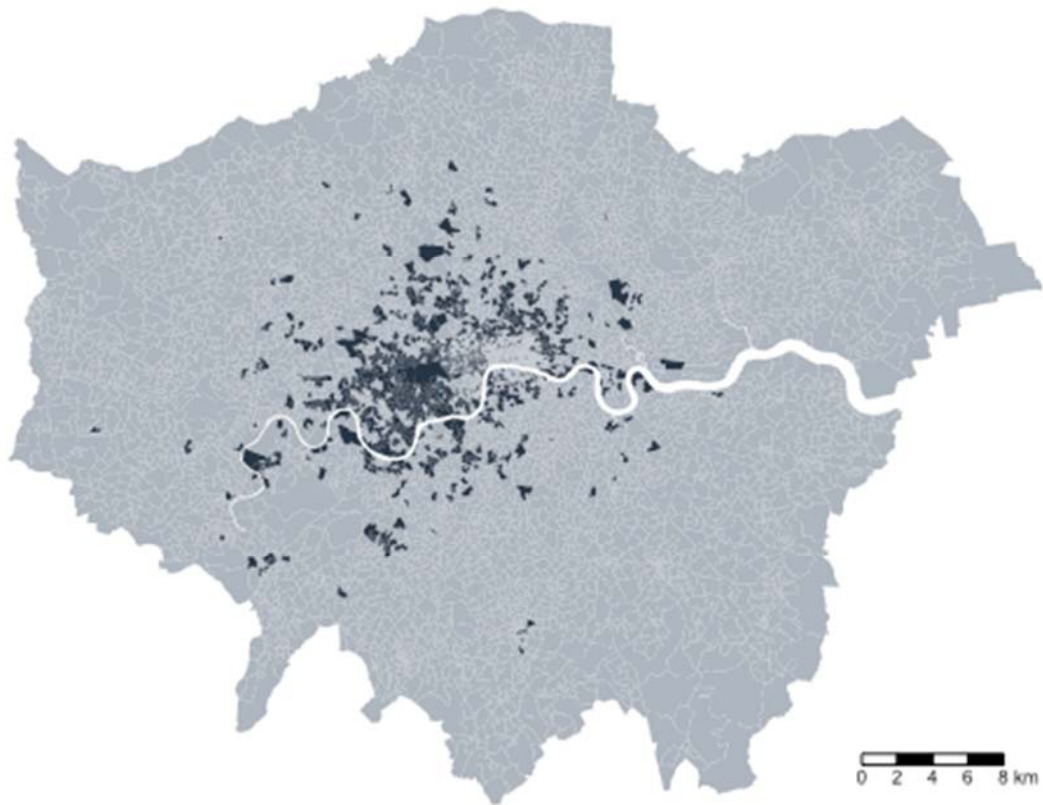
These areas are overwhelmingly located in Inner London, especially its West End, and many serve as retail destinations. A very international range of workers provide a wide range of high value services as well as retailing. Many of these workers also reside in Central London.

Profiles – Group E

Domain - Dynamism / Attractiveness

Index Score	Description
202	Night time retail / leisure density

Domain - Employment Structure

Index Score	Description
306	U Activities of extraterritorial organisations and bodies
227	Comparison retail density
212	I Accommodation and food service activities
200	Leisure retail density
200	Retailer density
174	Service retail density
168	Convenience retail density
143	T Activities of households as employers
142	R,S Arts, entertainment and recreation; other service
140	L Real estate activities
136	7 Sales and customer service occupations
127	1 Managers, directors and senior officials
123	G Wholesale and retail trade; repair of motor vehicles and motor cycles

Domain - Residential Context

No scores over 120

Domain - Commuting / Connections

Index Score	Description
162	Underground, metro, light rail or tram
148	Bicycle
148	PTAL average
142	10km to less than 20km
134	Motorcycle, scooter or moped
128	5km to less than 10km
123	Bus, minibus or coach

Domain - Employee Characteristics

Index Score	Description
174	Europe: EU countries: Member countries in March 2001: Total
170	Other ethnic group: Arab
163	Central and South America
157	Resident in UK: Less than 2 years

157	Africa: North Africa
155	Middle East and Asia: South-East Asia: Total
149	Middle East and Asia: Eastern Asia: Total
148	Middle East and Asia: Middle East: Total
141	Asian/Asian British: Chinese
139	White: Other White
137	Resident in UK: 2 years or more but less than 5 years
135	Female 16-24
134	Living rent free
133	Asian/Asian British: Bangladeshi
132	Private rented: Total
125	All 16-24
123	Other ethnic group: Any other ethnic group
122	Mixed/multiple ethnic group: All
121	Resident in UK: 5 years or more but less than 10 years

Domain - Job Characteristics

Index Score	Description
136	Full-time student
128	5. Lower supervisory and technical occupations
122	Other qualifications

3.4 Sub Group Profiles

The following section presents descriptive profiles for the Sub Group level of the typology.

Sub Group - A1: Predominantly older, local education and health workers
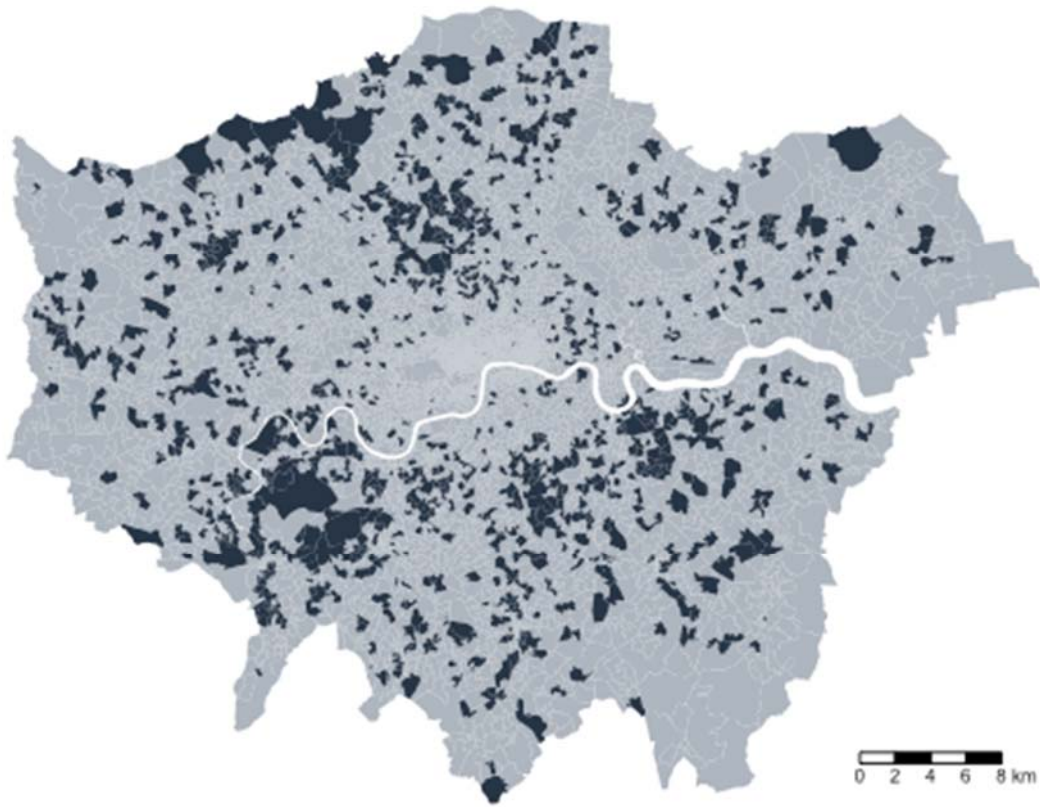
These workers are frequently sourced locally, and predominantly work in the health and education sectors. Caring and leisure services are well represented, and some individuals work in professional occupations.

Profiles – Sub Group A1

Domain - Dynamism / Attractiveness

No scores over 120

Domain - Employment Structure

Index Score	Description
292	P Education
184	Q Human health and social work activities
173	6 Caring, leisure and other service occupations
153	2 Professional occupations
137	T Activities of households as employers

Domain - Residential Context

Index Score	Description
123	Worker / Residential population mix
120	Old age dependency ratio

Domain - Commuting / Connections

Index Score	Description
145	Less than 2km
137	Driving a car or van
136	Work mainly at or from home
132	On foot
122	2km to less than 5km

Domain - Employee Characteristics

Index Score	Description
160	Female 65-74
158	Female 40-64
130	The Americas and the Caribbean: The Caribbean: Total
130	All 65-74
124	White: Irish
124	Black/African/Caribbean/Black British: Caribbean

Domain - Job Characteristics

Index Score	Description
136	Employee: Part-time
129	Part-time: 15 hours or less worked
128	Self-employed without employees: Part-time
127	Part-time: 16 to 30 hours worked
123	2. Lower managerial, administrative and professional occupations

Sub Group – A2: Lowly qualified workers in construction and allied local trades
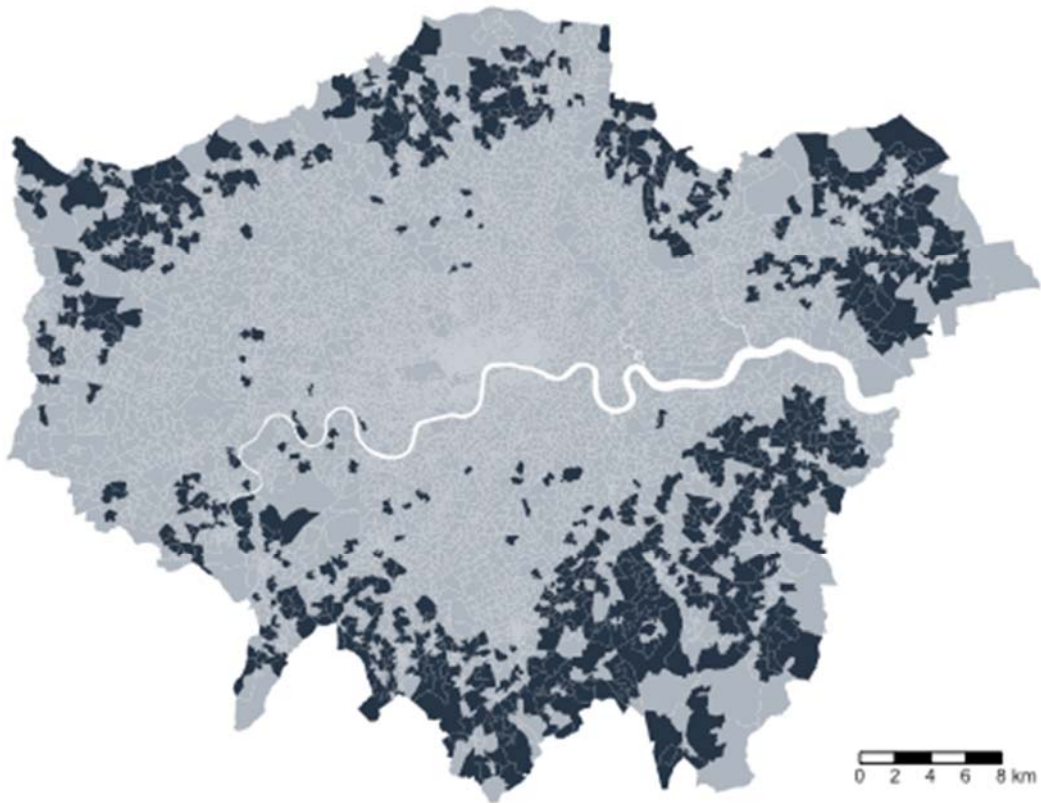
Work in construction and related skilled and unskilled trades predominates, although there is also some representation of health, social work and education-related activities. Many workers are self employed or work for small companies. Workers tend to be drawn from the older age cohorts, although some are employed as apprentices.

Profiles – Sub Group A2

Domain - Dynamism / Attractiveness

No scores over 120

Domain - Employment Structure

Index Score	Description
205	F Construction
180	5 Skilled trades occupations
159	D Electricity, gas, steam and air conditioning supply
159	A Agriculture, forestry and fishing
159	6 Caring, leisure and other service occupations
148	P Education
134	Q Human health and social work activities
127	8 Process, plant and machine operatives

Domain - Residential Context

Index Score	Description
224	Worker / Residential population mix
153	Old age dependency ratio
144	Economically Inactive: Retired
133	Aged 65+

Domain - Commuting / Connections

Index Score	Description
266	Taxi
230	Work mainly at or from home
211	No fixed place
150	Driving a car or van
144	Passenger in a car or van
125	Less than 2km

Domain - Employee Characteristics

Index Score	Description
175	Male 65-74
171	All 65-74
166	Female 65-74
136	Female 40-64
133	White: English/Welsh/Scottish/Northern Irish/British
133	Owned: Total
128	All 40-64
124	Born in the UK
124	Europe: United Kingdom: Total
121	Male 40-64

Domain - Job Characteristics

Index Score	Description
208	Apprenticeship
193	4. Small employers and own account workers
192	Self-employed without employees: Part-time
183	Self-employed without employees: Full-time
151	Part-time: 15 hours or less worked
140	Self-employed with employees: Part-time
132	Level 1 qualifications
130	Level 2 qualifications
128	No qualifications
127	Employee: Part-time
127	Part-time: 16 to 30 hours worked

Sub Group – B1: Dynamic financial centres with extended operating hours
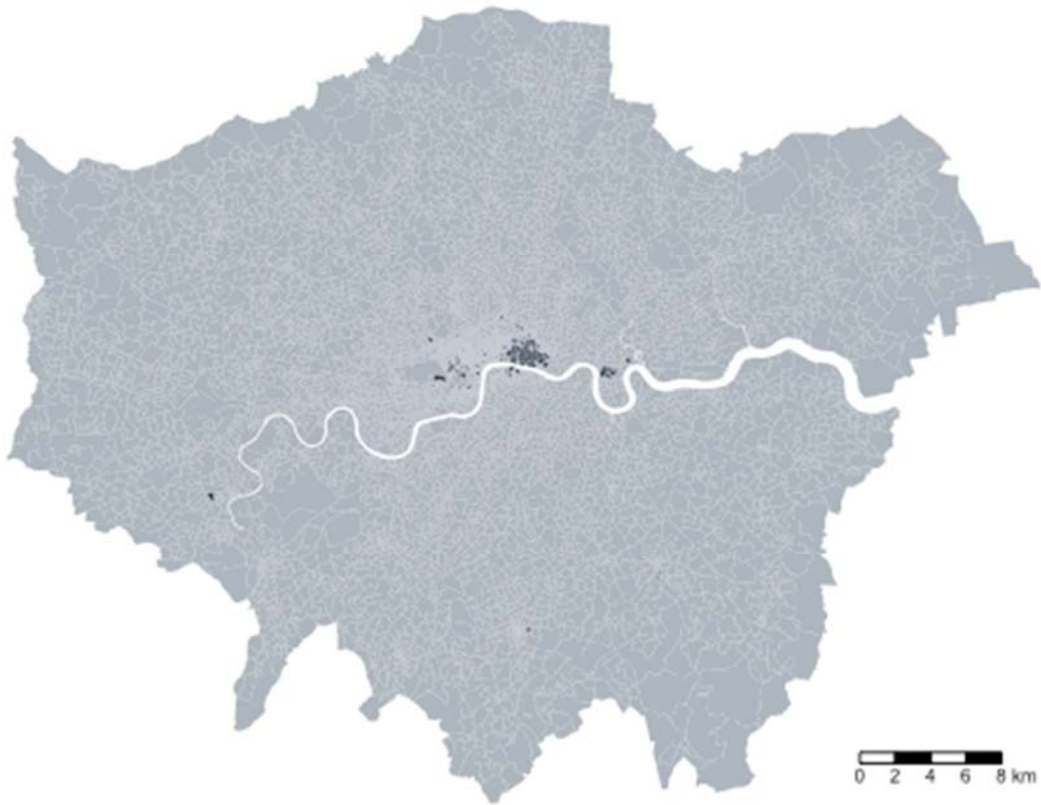
These areas form the close knit financial heart of the City. Much of the younger, and predominantly full time workforce commute by rail over significant distances. Many workers fulfil managerial roles within their organisations. The areas also host significant retail and leisure functions that contribute to a vibrant night time economy.

Profiles – Sub Group B1

Domain - Dynamism / Attractiveness

Index Score	Description
282	Night time retail / leisure density
123	Workplace % change 2009 - 2015

Domain - Employment Structure

Index Score	Description
995	K Financial and insurance activities
597	Density (number of persons per hectare)
263	Leisure retail density
201	Retailer density
184	3 Associate professional and technical occupations
173	Service retail density
161	Comparison retail density
155	1 Managers, directors and senior officials
154	Convenience retail density
152	D Electricity, gas, steam and air conditioning supply
151	4 Administrative and secretarial occupations
131	B Mining and quarrying

Domain - Residential Context

Index Score	Description
132	Aged 16-24

Domain - Commuting / Connections

| Index Score	Description
421	40km to less than 60km
320	PTAL average
315	Train
297	30km to less than 40km
254	60km and over
233	20km to less than 30km
192	Proportion of commuting from outside of London
179	Average distance (km)
175	Underground, metro, light rail or tram
168	10km to less than 20km
139	Motorcycle, scooter or moped

Domain - Employee Characteristics

Index Score	Description
164	Middle East and Asia: Eastern Asia: Total
141	Asian/Asian British: Chinese
137	Male 25-39
136	Europe: EU countries: Member countries in March 2001: Total
123	All 25-39
120	White: English/Welsh/Scottish/Northern Irish/British

Domain - Job Characteristics

Index Score	Description
221	1. Higher managerial, administrative and professional occupations
179	Full-time: 49 or more hours worked
150	Employee: Full-time
135	Level 4 qualifications and above
129	3. Intermediate occupations
123	2. Lower managerial, administrative and professional occupations

Sub Group - B2: Professional, retail and leisure services in dynamic central locations
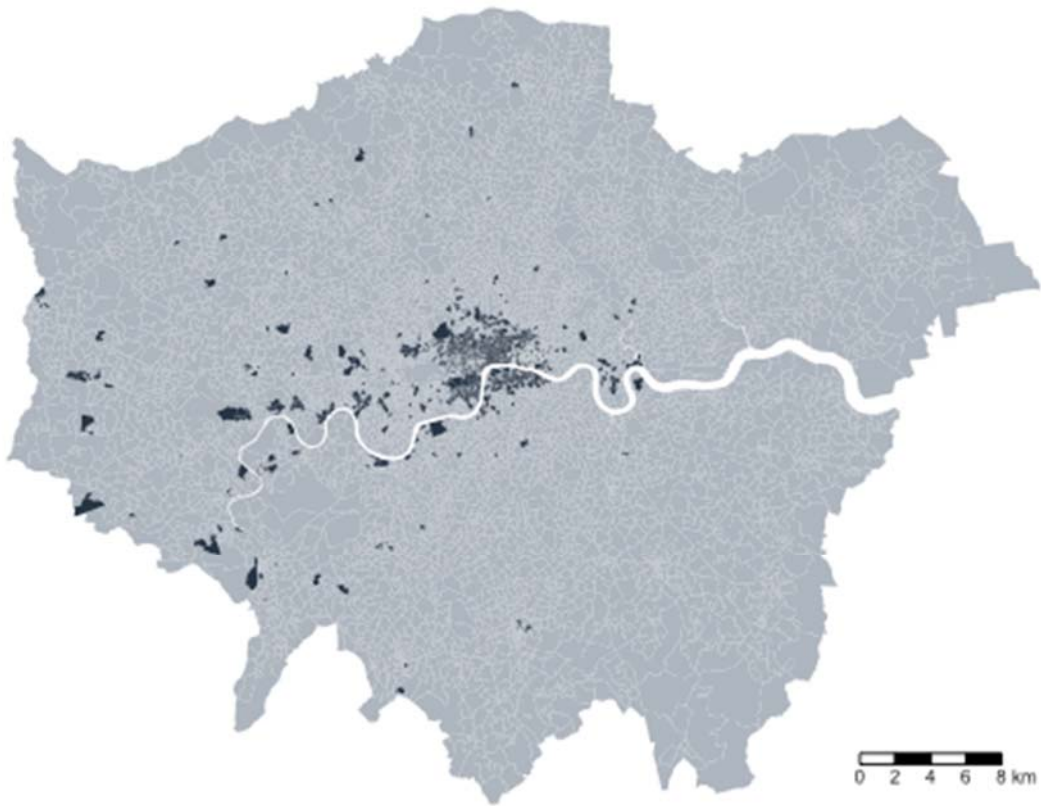
This predominantly full time, well qualified labour force often commutes long distances to work in Central and West London locations. These tight knit employment zones host a range of professional and scientific and technical activities. There is also strong representation of supporting retail and leisure services, and a night time economy.

Profiles – Sub Group B2

Domain - Dynamism / Attractiveness

Index Score	Description
220	Night time retail / leisure density

Domain - Employment Structure

Index Score	Description
286	Density (number of persons per hectare)
285	B Mining and quarrying
231	M Professional, scientific and technical activities
221	Leisure retail density
207	J Information and communication
190	Retailer density
183	Comparison retail density
170	O Public administration and defence; compulsory social security
166	Convenience retail density
165	Service retail density
155	2 Professional occupations
146	U Activities of extraterritorial organisations and bodies
142	3 Associate professional and technical occupations
129	4 Administrative and secretarial occupations
120	1 Managers, directors and senior officials

Domain - Residential Context

Index Score	Description
133	Aged 16-24
125	Socially Rented

Domain - Commuting / Connections

| Index Score	Description
228	40km to less than 60km
221	Train
219	60km and over
205	PTAL average
194	30km to less than 40km
182	Underground, metro, light rail or tram
173	20km to less than 30km
168	10km to less than 20km
162	Bicycle
155	Average distance (km)
140	Proportion of commuting from outside of London
138	5km to less than 10km
136	Motorcycle, scooter or moped

Domain - Employee Characteristics

Index Score	Description
128	Europe: EU countries: Member countries in March 2001: Total
128	Female 25-39
123	All 25-39

Domain - Job Characteristics

Index Score	Description
195	1. Higher managerial, administrative and professional occupations
144	Level 4 qualifications and above
136	Employee: Full-time
125	Full-time: 49 or more hours worked
124	2. Lower managerial, administrative and professional occupations

Sub Group - C1: Younger customer service workers in wholesale or retail occupations
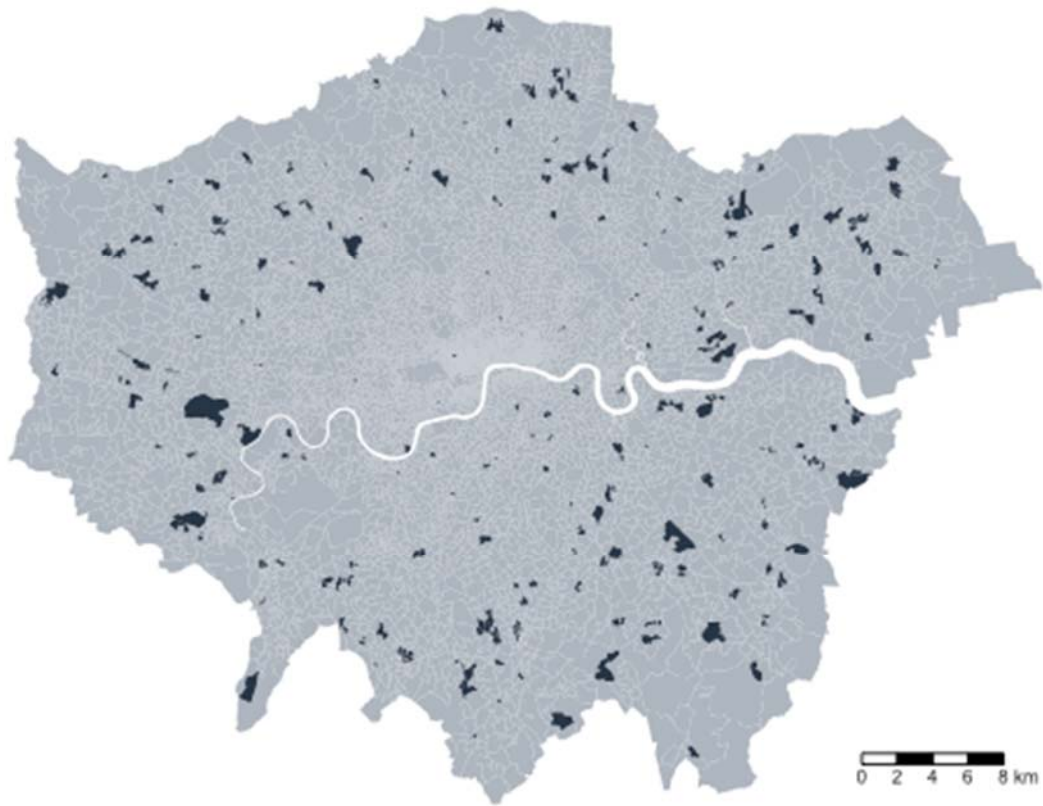
This younger, locally based labour force are employed at locations scattered widely across Outer London. Commuting is typically by car or bus. Employment includes retail and customer service with workers drawn disproportionately from Asian backgrounds. Workers have relatively low level qualifications and part-time working is common.

Profiles – Sub Group C1

Domain - Dynamism / Attractiveness

No scores over 120

Domain - Employment Structure

Index Score	Description
414	7 Sales and customer service occupations
321	G Wholesale and retail trade; repair of motor vehicles and motor cycles
216	Service retail density
209	Comparison retail density
189	Convenience retail density
168	Retailer density
121	9 Elementary occupations

Domain - Residential Context

Index Score	Description
130	Old age dependency ratio
125	Economically Inactive: Retired
122	Dependent children in household: All ages

Domain - Commuting / Connections

Index Score	Description
202	Passenger in a car or van
184	Less than 2km
181	Bus, minibus or coach
177	2km to less than 5km
161	On foot
146	Driving a car or van

Domain - Employee Characteristics

Index Score	Description
215	Female 16-24
204	All 16-24
192	Male 16-24
154	Asian/Asian British: Indian
149	Asian/Asian British: Pakistani
148	Middle East and Asia: Southern Asia: Total
132	Asian/Asian British: Other Asian
126	Social rented: Total
124	Asian/Asian British: Bangladeshi

Domain - Job Characteristics

Index Score	Description
242	Full-time student
230	6. Semi-routine occupations
174	Employee: Part-time
173	Part-time: 15 hours or less worked
162	Level 1 qualifications
159	Level 2 qualifications
151	Part-time: 16 to 30 hours worked
143	No qualifications
131	Level 3 qualifications
122	5. Lower supervisory and technical occupations

Sub Group – C2: Blue collar, manufacturing and transport services
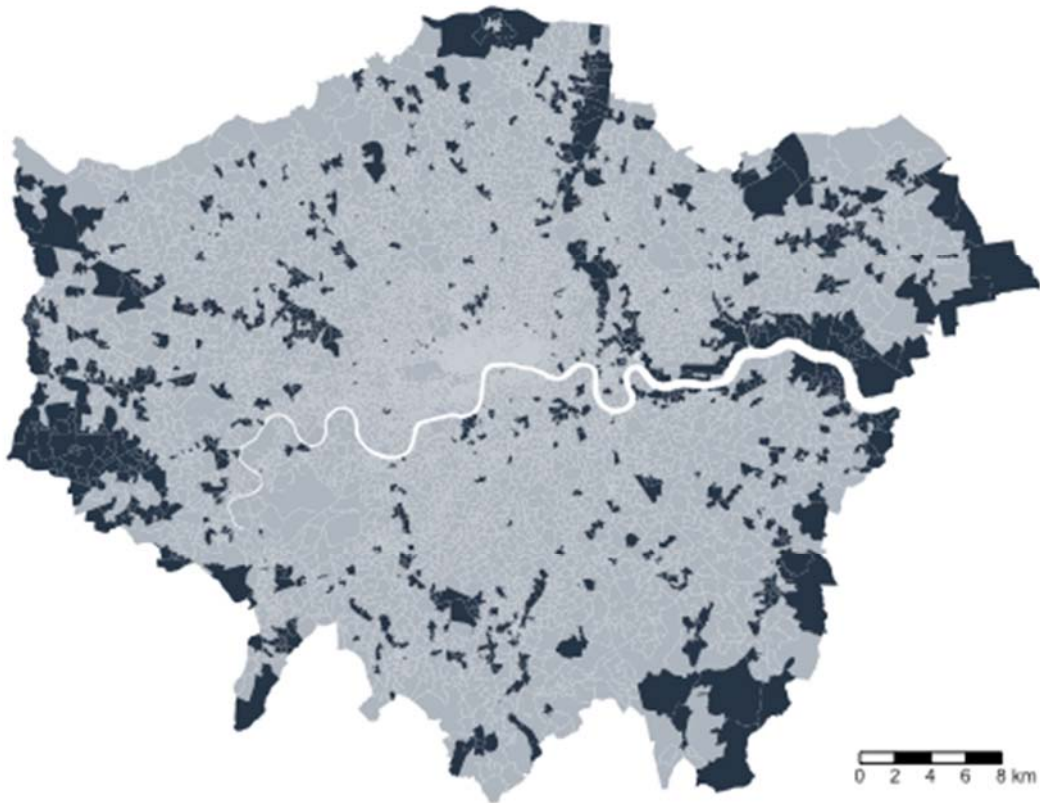
These workers find employment at locations scattered throughout London, with some concentration on the Capital's outermost fringes. Employment is found in a wide range of occupations and workers tend to have low or intermediate level educational qualifications. Travel to work is often by car.

Profiles – Sub Group C2

Domain - Dynamism / Attractiveness

No scores over 120

Domain - Employment Structure

Index Score	Description
389	E Water supply; sewerage, waste management & remediation activities
297	H Transport and storage
280	C Manufacturing
268	8 Process, plant and machine operatives
186	D Electricity, gas, steam and air conditioning supply
166	A Agriculture, forestry and fishing
154	O Public administration and defence; compulsory social security
143	F Construction
137	9 Elementary occupations
136	5 Skilled trades occupations
130	G Wholesale and retail trade; repair of motor vehicles and motor cycles

Domain - Residential Context

No scores over 120

Domain - Commuting / Connections

| Index Score	Description
194	Driving a car or van
179	Passenger in a car or van
157	Proportion of commuting from outside of London
157	30km to less than 40km
147	20km to less than 30km
124	2km to less than 5km

Domain - Employee Characteristics

Index Score	Description
141	Male 40-64
124	Asian/Asian British: Indian
120	Fair Health

Domain - Job Characteristics

Index Score	Description
195	7. Routine occupations
190	Apprenticeship
173	5. Lower supervisory and technical occupations
157	Level 1 qualifications
155	No qualifications
132	Level 2 qualifications
122	3. Intermediate occupations

Sub Group - D1: Health care support staff and routine service occupations
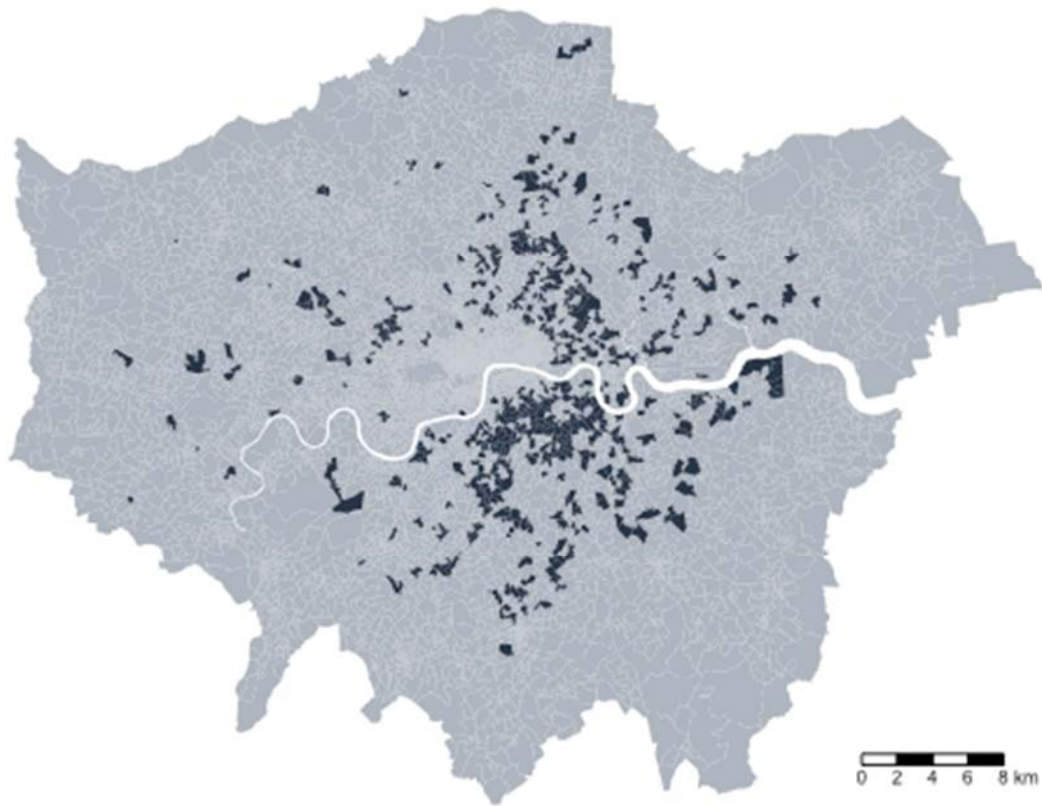
This heavily multicultural workforce is very locally based and employed in a wide range of occupations. Although some workers are skilled, many have low levels of educational qualifications and work in unskilled or semi-routine occupations. Levels of self-employment are high and residential context is characterised by higher than average unemployment.

Profiles – Sub Group D1

Domain - Dynamism / Attractiveness

Index Score	Description
129	Workplace % change 2009 - 2015

Domain - Employment Structure

Index Score	Description
156	6 Caring, leisure and other service occupations
150	Q Human health and social work activities
131	9 Elementary occupations
124	5 Skilled trades occupations
123	P Education
122	8 Process, plant and machine operatives

Domain - Residential Context

Index Score	Description
192	Worker / Residential population mix
149	Socially Rented
135	Unemployment
123	No Qualification
122	Economically Inactive: Students

Domain - Commuting / Connections

Index Score	Description
188	No fixed place
147	Bus, minibus or coach
139	Less than 2km
139	Work mainly at or from home
134	On foot

Domain - Employee Characteristics

Index Score	Description
258	Africa: Central and Western Africa
239	Asian/Asian British: Bangladeshi
236	Black/African/Caribbean/Black British: African
232	The Americas and the Caribbean: The Caribbean: Total
212	Black/African/Caribbean/Black British: Other Black
211	Social rented: Total
209	Black/African/Caribbean/Black British: Caribbean
153	Central and South America

151	White: Gypsy or Irish Traveller
146	Bad & Very Bad Health
144	Other ethnic group: Any other ethnic group
138	Resident in UK: 10 years or more
133	Mixed/multiple ethnic group: All
131	Africa: North Africa
130	Fair Health
128	Country of birth non UK
126	Resident in UK: 5 years or more but less than 10 years
125	Middle East and Asia: Southern Asia: Total

Domain - Job Characteristics

Index Score	Description
156	Self-employed with employees: Part-time
148	No qualifications
142	Self-employed without employees: Part-time
142	Part-time: 16 to 30 hours worked
140	4. Small employers and own account workers
135	6. Semi-routine occupations
135	Employee: Part-time
131	Self-employed without employees: Full-time
130	Full-time student
127	Part-time: 15 hours or less worked
125	Other qualifications
123	7. Routine occupations

Sub Group - D2 Locally sourced, home helps and domestic or manual workers
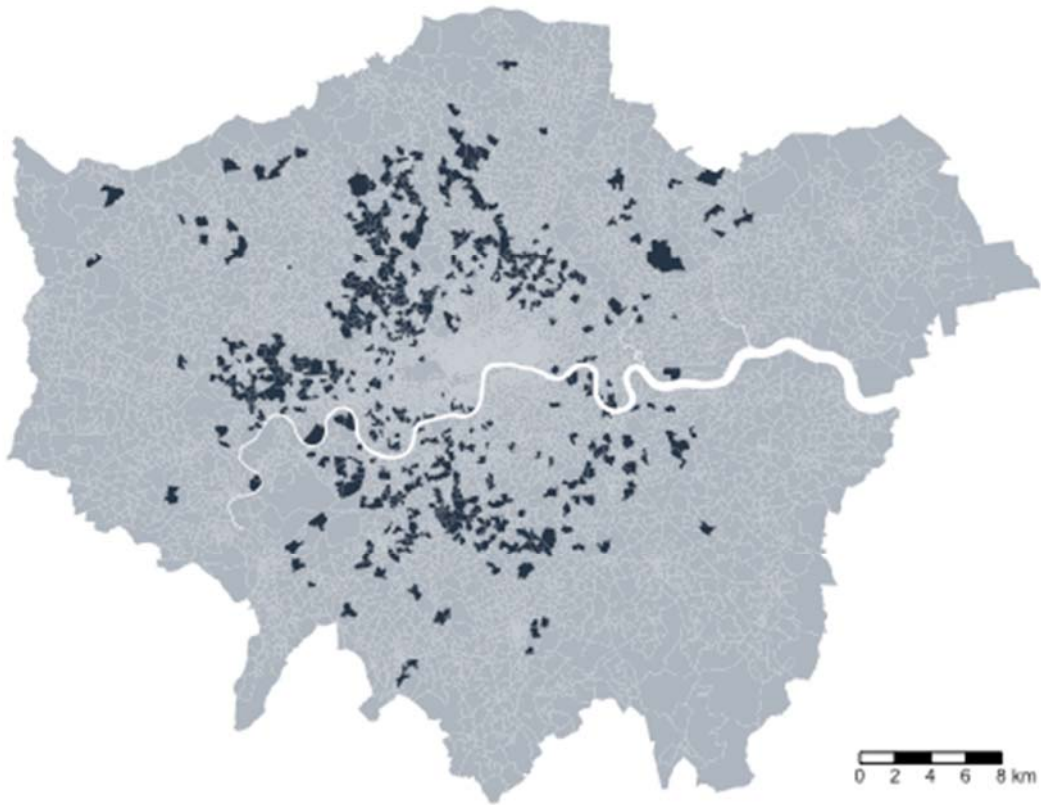
Domestic employers requiring caring, recreational and other services are an employment mainstay of these areas. Other trades and activities are present. Levels of self-employment and work for small employers is higher than average.

Profiles – Sub Group D2

Domain - Dynamism / Attractiveness

No scores over 120

Domain - Employment Structure

Index Score	Description
318	T Activities of households as employers
142	R,S Arts, entertainment and recreation; other service
134	6 Caring, leisure and other service occupations
132	F Construction
129	L Real estate activities
125	5 Skilled trades occupations
123	J Information and communication
120	3 Associate professional and technical occupations

Domain - Residential Context

Index Score	Description
209	Worker / Residential population mix

Domain - Commuting / Connections

Index Score	Description
251	Work mainly at or from home
208	No fixed place

Domain - Employee Characteristics

Index Score	Description
169	Middle East and Asia: Middle East: Total
145	Female 65-74
142	All 65-74
140	Middle East and Asia: South-East Asia: Total
140	Central and South America
140	Male 65-74
140	Europe: EU countries: Accession countries April 2001 to March 2011: Total
138	White: Other White
135	Living rent free
131	Other ethnic group: Any other ethnic group
130	Other ethnic group: Arab
128	Africa: North Africa
126	White: Irish
124	Europe: EU countries: Member countries in March 2001: Total

Domain - Job Characteristics

Index Score	Description
229	Self-employed without employees: Part-time
200	Self-employed without employees: Full-time
177	4. Small employers and own account workers
167	Self-employed with employees: Part-time
131	Self-employed with employees: Full-time
130	Part-time: 15 hours or less worked
125	Other qualifications
121	Part-time: 16 to 30 hours worked

Sub Group - D3: Travelling or home-based general service providers
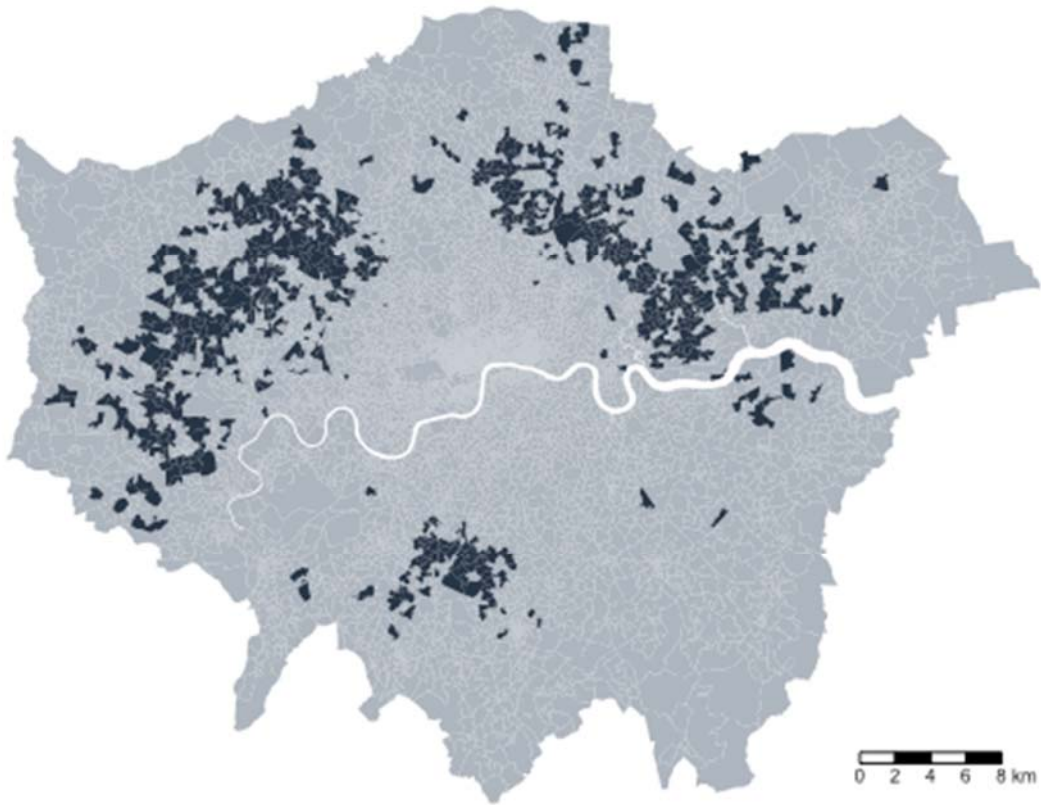
This generally low-skilled labour force has changed in markedly in recent years, in significant part as the result of immigration. Employment in low-skilled manual and administrative occupations predominates.

Profiles – Sub Group D3

Domain - Dynamism / Attractiveness

Index Score	Description
165	Workplace % change 2009 – 2015

Domain - Employment Structure

Index Score	Description
220	F Construction
193	5 Skilled trades occupations
169	8 Process, plant and machine operatives
153	9 Elementary occupations
141	N Administrative and support service activities
130	H Transport and storage
125	6 Caring, leisure and other service occupations

Domain - Residential Context

Index Score	Description
215	Worker / Residential population mix
145	Dependent children in household: All ages
133	Economically Inactive: Looking after family / home
131	No Qualification
131	Economically Inactive: Students
124	Unemployment

Domain - Commuting / Connections

Index Score	Description
274	No fixed place
158	Work mainly at or from home
135	Passenger in a car or van

Domain - Employee Characteristics

Index Score	Description
287	Asian/Asian British: Pakistani
267	Europe: EU countries: Accession countries April 2001 to March 2011: Total
247	Middle East and Asia: Southern Asia: Total
223	Asian/Asian British: Indian
177	White: Gypsy or Irish Traveller
174	Resident in UK: 2 years or more but less than 5 years
169	Asian/Asian British: Other Asian
166	Resident in UK: 5 years or more but less than 10 years

160	Resident in UK: Less than 2 years
154	Country of birth non UK
146	White: Other White
142	Africa: South and Eastern Africa
141	Resident in UK: 10 years or more
138	Asian/Asian British: Bangladeshi
135	The Americas and the Caribbean: The Caribbean: Total
134	Other ethnic group: Any other ethnic group
133	Other ethnic group: Arab
127	Bad & Very Bad Health
127	Private rented: Total
124	Africa: North Africa
123	Africa: Central and Western Africa
123	Black/African/Caribbean/Black British: African
122	Middle East and Asia: Middle East: Total
122	Fair Health
122	Black/African/Caribbean/Black British: Caribbean

Domain - Job Characteristics

Index Score	Description
214	4. Small employers and own account workers
192	Other qualifications
187	Self-employed with employees: Part-time
183	Self-employed without employees: Part-time
173	Self-employed without employees: Full-time
160	No qualifications
143	Self-employed with employees: Full-time
135	Part-time: 16 to 30 hours worked
131	7. Routine occupations
128	Part-time: 15 hours or less worked
122	Full-time student

Sub Group – E1: High street destinations and domestic employers
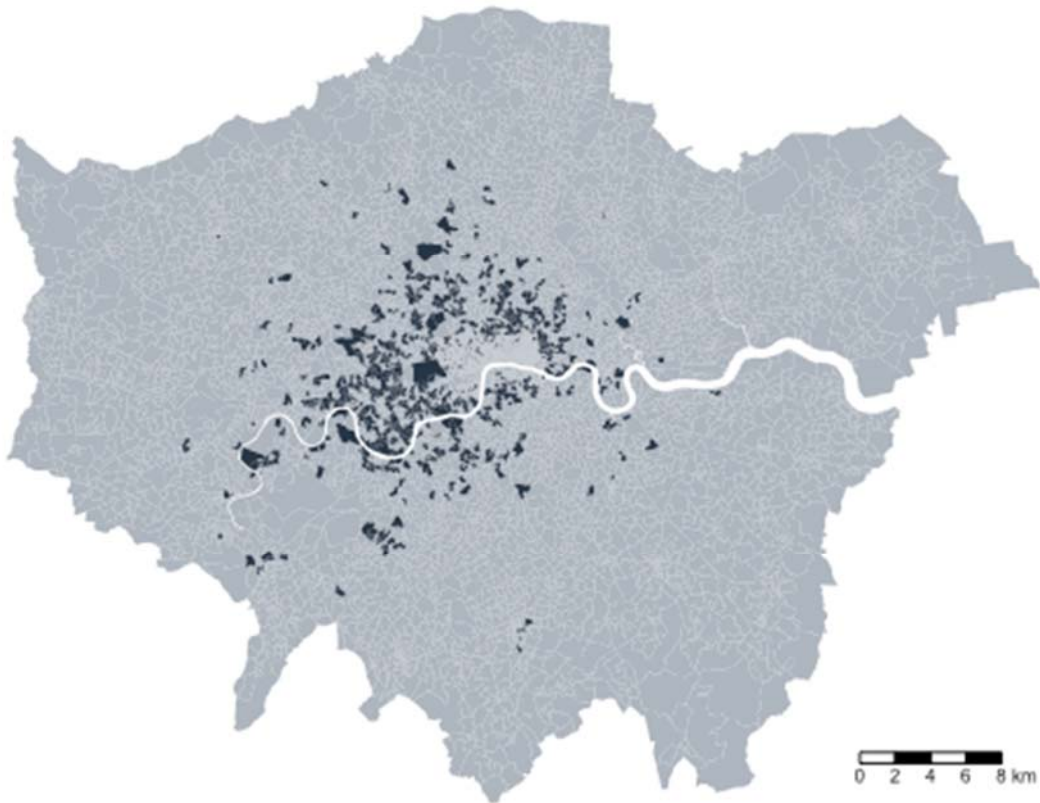
Employment in these areas has a strong international service orientation, although households also provide an important source of employment. Real estate and entertainment activities are in evidence, and various forms of retailing also underpin local economies. Journeys to work are typically short distances, mainly by public transport.

Profiles – Sub Group E1

Domain - Dynamism / Attractiveness

No scores over 120

Domain - Residential Context

No scores over 120

Domain - Job Characteristics

No scores over 120

Domain - Employment Structure

| Index Score	Description
186	U Activities of extraterritorial organisations and bodies
170	T Activities of households as employers
155	L Real estate activities
143	R,S Arts, entertainment and recreation; other service
137	Convenience retail density
136	Service retail density
130	Comparison retail density
123	Retailer density
123	1 Managers, directors and senior officials
123	M Professional, scientific and technical activities
122	3 Associate professional and technical occupations
120	I Accommodation and food service activities

Domain - Commuting / Connections

Index Score	Description
166	Bicycle
136	Underground, metro, light rail or tram
130	Motorcycle, scooter or moped
125	10km to less than 20km
125	On foot

Domain - Employee Characteristics

Index Score	Description
155	Europe: EU countries: Member countries in March 2001: Total
149	Other ethnic group: Arab
145	Central and South America
139	Middle East and Asia: Middle East: Total
138	Middle East and Asia: South-East Asia: Total
137	Africa: North Africa
134	Living rent free
131	Asian/Asian British: Bangladeshi
125	Resident in UK: Less than 2 years
124	White: Other White
121	Private rented: Total

Sub Group – E2: Accessible retail, leisure and tourist services
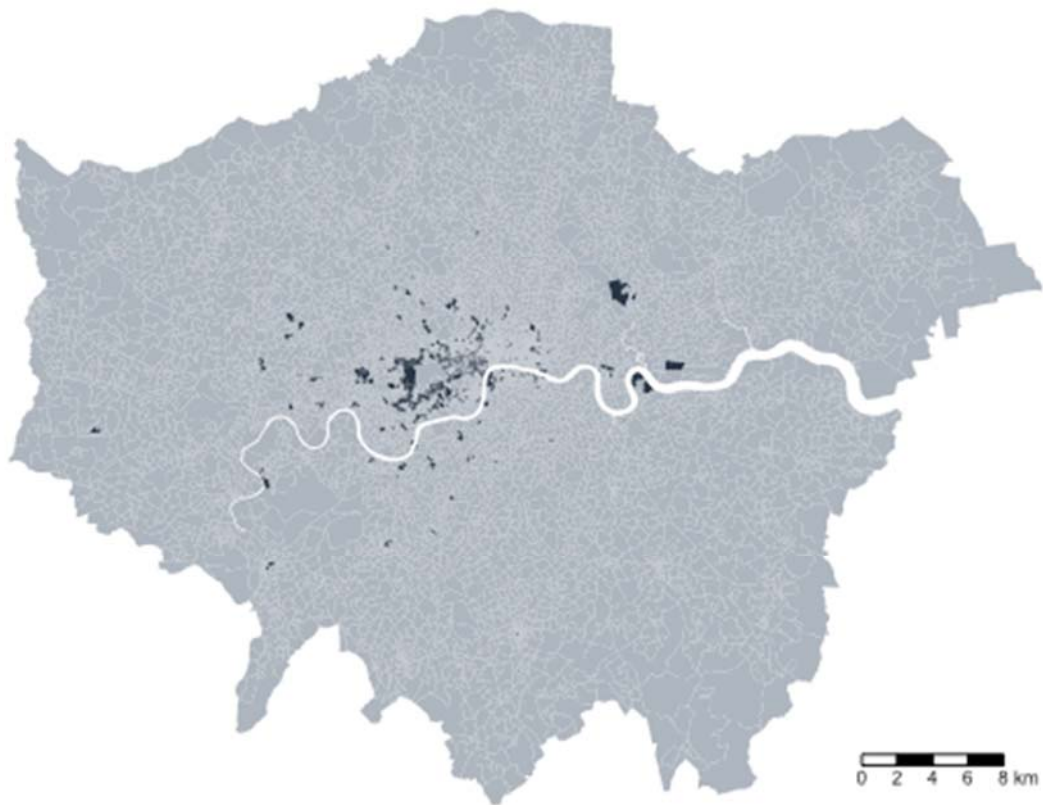
These densely occupied destinations offer services in retailing, leisure and accommodation. They have important night time economies. Public transport predominates in the journey to work over short to medium length commutes. There is high turnover in the workforce and routine occupations are relatively common.

Profiles – Sub Group E2

Domain - Dynamism / Attractiveness

Index Score	Description
370	Night time retail / leisure density

Domain - Employment Structure

Index Score	Description
511	U Activities of extraterritorial organisations and bodies
391	Comparison retail density
368	I Accommodation and food service activities
356	Leisure retail density
329	Retailer density
238	Service retail density
219	Convenience retail density
197	7 Sales and customer service occupations
179	Density (number of persons per hectare)
164	9 Elementary occupations
159	G Wholesale and retail trade; repair of motor vehicles and motor cycles
139	R,S Arts, entertainment and recreation; other service
134	1 Managers, directors and senior officials

Domain - Residential Context

Index Score	Description
120	Aged 16-24

Domain - Commuting / Connections

Index Score	Description
206	PTAL average
205	Underground, metro, light rail or tram
171	10km to less than 20km
151	5km to less than 10km
141	Motorcycle, scooter or moped
138	Bus, minibus or coach
133	Train

Domain - Employee Characteristics

Index Score	Description
212	Resident in UK: Less than 2 years
208	Europe: EU countries: Member countries in March 2001: Total
207	Other ethnic group: Arab
202	Middle East and Asia: Eastern Asia: Total
193	Central and South America
191	Asian/Asian British: Chinese
190	Africa: North Africa
184	Middle East and Asia: South-East Asia: Total
173	Resident in UK: 2 years or more but less than 5 years
171	Female 16-24
164	White: Other White
163	Middle East and Asia: Middle East: Total
157	All 16-24
150	Private rented: Total
149	Europe: EU countries: Accession countries April 2001 to March 2011: Total
143	Male 16-24
142	Resident in UK: 5 years or more but less than 10 years
136	Living rent free
136	Asian/Asian British: Bangladeshi
134	Country of birth non UK
133	Asian/Asian British: Other Asian
131	Other ethnic group: Any other ethnic group
125	Mixed/multiple ethnic group: All

Domain - Job Characteristics

Index Score	Description
190	5. Lower supervisory and technical occupations
182	Full-time student
158	Other qualifications
130	7. Routine occupations
125	6. Semi-routine occupations