



## Person Specification

This form lists the essential and desirable requirements needed in order to do the job.

Applicants will be shortlisted **solely** on the extent to which they meet these requirements.

**Job title:** Full-Time Research Assistant (“pre-doc”), CEP Urban Program, ERC Advanced Grant  
“Quantitative Models of Cities”

**Department/Division:** The Centre for Economic Performance **Accountable to:** Prof. Daniel Sturm

| Competency                           | Criteria                                                                                                                                                                                             | E/D |
|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| Knowledge and experience             | Undergraduate or Masters’ degree in economics or another quantitative discipline by post start date                                                                                                  | E   |
|                                      | Advanced experience of using programming languages such as, for example, STATA, R and Python for analysing large scale micro data sets and the ability to learn new programming skills as necessary. | E   |
|                                      | Experience of working with ArcGIS or QGIS                                                                                                                                                            | D   |
|                                      | Knowledge of and interest in urban economics, economic geography and applied microeconomics more generally                                                                                           | D   |
|                                      | Experience working with confidential administrative data in a secure data environment                                                                                                                | D   |
| Investigation, analysis and research | Ability to perform data work requiring great accuracy and attention to detail                                                                                                                        | E   |
|                                      | Ability to interpret and analyse patterns or trends in data                                                                                                                                          | E   |
|                                      | Ability to think through economic problems analytically                                                                                                                                              | E   |
|                                      | Ability to perform literature reviews and search for data sources                                                                                                                                    | E   |
|                                      | Experience of execution and write up of independent research projects such as an undergraduate or masters’ thesis                                                                                    | D   |



|                                 |                                                                                                                                    |   |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------|---|
|                                 |                                                                                                                                    |   |
| <b>Decision making</b>          | Ability to work independently, without close supervision                                                                           | E |
| <b>Communication</b>            | Excellent written and verbal communication skills                                                                                  | E |
|                                 | Ability to convey complex technical material in simple and clear terms.                                                            | E |
|                                 | Experience of communicating research findings to decision makers outside academia                                                  | D |
| <b>Team work and motivation</b> | Interest in acquiring research skills that will be useful for an application to a PhD Program in Economics or a related discipline | D |
|                                 | Experience of providing research assistance                                                                                        | D |

**E – Essential: requirements without which the job could not be done.**

**D – Desirable: requirements that would enable the candidate to perform the job well.**