CDRC Masters Research Dissertation Programme

Company Name:	Knight Frank LLP
Team / Department:	Research
Address:	Baker Street, London

Provisional title for project:

Using Spatial Interaction Modelling to Predict Future Property Demand Across the UK

Short abstract of what the project would probably entail, and the data to be used:

The rationale behind the project is to identify next generation hot spots / not spots for residential and office property in the UK, including London. This can be achieved using spatial interaction modelling, with a predetermined set of variables, of which, some will overlap to allow for cross sector interdependencies.

As the project straddles two distinctive property sectors, a variable using existing/planned transport links and/or changes in the attractiveness of locations to live/work, may be a way to unify the project. We will be looking for two students, so we invite applications to either the residential, or the commercial office market component.

The project will utilise a range of open data such as census and mid-year population estimates for the residential project, and workplace census data and companies house data in addition for the commercial project. The student will have access to our proprietary property market data, including, but not limited to, capital and rental value movement, supply data, deal data and other third party data sets.

The student would also be welcome to source alternative datasets such as CDRC population churn estimates or travel data to supplement their analysis.

The dependent variables for both projects can be agreed in advance.

Essential and desirable skills that the student would need to have:

Essential skills (NB): Data Analysis, Spatial Analysis, Econometrics

Desirable: Real Estate knowledge, Operations knowledge, interest in property

Preferred degree programmes (if any): Real Estate Economics, Geography, Economics, Statistics

Would any work by the student need to be carried out on site at the Company with the exception of supervisory meetings?

Yes – preference is for the students to work on site

Any issues of data confidentiality and IPR that would need to be resolved?

Yes – An NDA would need to be signed between Knight Frank and the student

Preferred selection method

Face-to-face or telephone depending on location.

Support and training offered by the company

On site guidance, support and mentoring as appropriate

Financial assistance offered by the company

I agree to pay each student £500 (plus travel expenses).

For details on how to apply, please visit:
https://www.cdrc.ac.uk/retail-masters/details-for-students/