

School of Construction and Project Management

Research Ethics and Risks Form for Taught Students

*Students are required to obtain appropriate ethical approval before collecting data.
If data collection is conducted without a favourable ethics opinion at the appropriate level, the dissertation may be deemed as failed.*

Part I Section 1 Student Details

Student NameChen Li..... Student Number17054595.....

Student Emailchen.li.17@ucl.ac.uk.....

Course/ProgrammeMSc Construction Economics and Management.....

SupervisorDr Aniket Kumar.....

Dissertation Title:

Identify the Indicators that Forecast Construction Market Potential and Contractors' Entry Modes to the Belt and Road Projects

Research Question or Hypothesis:

According to the main reasons of the failed construction projects in the Belt and Road Initiative, most of the current researches show that they are attributed by three aspects: political, cultural and project managerial problems. However, apart from these three aspects, the author put forward an assumption that the analysis of the investment market, the determination of the corresponding entry mode can be the key factors determining the success of the project, for overseas construction companies or investors. Based on this, this paper put forward the research question: what are the key leading indicators that forecast construction market potential? And, accordingly, what entry modes and business models contractors should have in the Belt and Road projects?

Section 2 Data Collection

2.1 From where or whom will you source the data? (E.g. business professionals/ policy makers)

These data are sourced from various databases such as Shanghai Academy Social Sciences, Ministry of Commerce (Republic of China), Department for International Trade (UK), China Foreign Investment and Cooperation Report, etc.

In addition, by collecting the national infrastructure & construction data released by the World Bank in 2014, the important indicators for major infrastructure will be selected and

the standard scores model will be established to quantify the level of national infrastructure construction along the Road.

Besides, with qualitative approach, Primary data collected from business professionals will support the arguments in the strategic analysis.

2.2 What data collection method(s) will you use? (E.g. interviews/ survey)

These data are primarily collected by econometrics methods. STATA will be used to indentify the indicators that forecast construction market potential in the Belt and Road Initiative. Besides, with qualitative approach, interviews will be conducted.

2.3 Where will you collect the data? Please tick all that apply.

- | | |
|--|---|
| <input type="checkbox"/> UK | <input type="checkbox"/> In participants' office(s) |
| ✓ <input checked="" type="checkbox"/> Outside the UK | <input type="checkbox"/> In public setting(s) |
| ✓ <input checked="" type="checkbox"/> Skype | ✓ <input checked="" type="checkbox"/> On construction site(s) |
| ✓ <input checked="" type="checkbox"/> Online | ✓ <input checked="" type="checkbox"/> Other (please describe) |

.....On infrastructure site.....

2.4 If your data collection will be undertaken outside the UK, will you undertake to secure in advance all necessary local approvals and to accommodate local laws, practices, cultural and political sensitivities?

YES ☒ NO ☐ NOT APPLICABLE ☐

Section 3 Ethically-sensitive Issues

Please tick YES or NO

	YES	NO
3.1 Does your data collection involve people		
a) Being recorded during their normal work activities*?	<input type="checkbox"/>	✓
b) Being observed during their normal work activities?	<input type="checkbox"/>	✓
c) Being filmed during their normal work activities?	<input type="checkbox"/>	✓
d) Providing personal, sensitive or confidential data about individuals or organisations?	<input type="checkbox"/>	✓
e) Providing sensitive or confidential commercial or policy information?	<input type="checkbox"/>	✓
f) Receiving personal feedback (e.g. after psychometric tests)?	<input type="checkbox"/>	✓
g) Undergoing any other experience that might cause physical or psychological distress or harm?	<input type="checkbox"/>	✓
3.2 Does your data collection involve contact with people		
a) Aged less than 18 years?	<input type="checkbox"/>	✓
b) Who lack physical or mental capacity? (e.g. someone with a learning difficulty, nursing home residents)	<input type="checkbox"/>	✓

* Note that a research interview is not a 'normal work activity'.

- | | | |
|--|--------------------------|---|
| c) Who might be vulnerable or in a potentially vulnerable group?
(e.g. a client of a health or social service agency) | <input type="checkbox"/> | ✓ |
|--|--------------------------|---|

Section 4 Data Collection Context

- | | | |
|--|--------------------------|---|
| 4.1 Will you collect data within an organisation? | <input type="checkbox"/> | ✓ |
| 4.2 Will your data include visual imagery collection where there is sensitivity regarding personal identification and confidentiality? | <input type="checkbox"/> | ✓ |
| 4.3 Will your data collection involve data sets from secure sources?
(e.g. from a defence establishment) | <input type="checkbox"/> | ✓ |

If the answer to Question 4.1, 4.2 or 4.3 is YES, organisational (e.g. management) as well individual consent may be required.

Section 5 Risk Assessment

- | <i>Please tick YES or NO</i> | <i>YES</i> | <i>NO</i> |
|---|--------------------------|--------------------------|
| 5.1 Does your data collection involve visiting a location, using material, equipment or technology unsupervised and/or where you are at risk regarding health and safety?
(e.g. a construction site, use of machinery) | <input type="checkbox"/> | ✓ |
| 5.2 Does your research involve significant travel beyond which you normally would undertake? | <input type="checkbox"/> | ✓ |
| 5.3 Does your work involve contact with individuals who have committed a criminal offence? | <input type="checkbox"/> | ✓ |
| 5.4 If the answer to Questions 5.1, 5.2 or 5.3 is YES, have you discussed with your supervisor how the risks will be managed? | <input type="checkbox"/> | <input type="checkbox"/> |

Section 6 Process of Ethics Consideration

- | <i>Please tick YES or NO</i> | <i>YES</i> | <i>NO</i> |
|---|------------|--------------------------|
| 6.1 Have you consulted with your supervisor on | | |
| a. Personal risk | ✓ | <input type="checkbox"/> |
| b. Protection of research data | ✓ | <input type="checkbox"/> |
| c. Participant protection | ✓ | <input type="checkbox"/> |
| (informed consent, opt out, anonymity, confidentiality)? | | |
| 6.3 I agree | | |
| a) To consult with my supervisor on any changes to my research topic, method or plans | ✓ | <input type="checkbox"/> |
| b) To consult with my supervisor on any new ethics or risk related issues that emerge in the course of my research | ✓ | <input type="checkbox"/> |
| c) To include this form in the dissertation I will submit (if signed by the Ethics Sub-Committee) | ✓ | <input type="checkbox"/> |
| d) To gain UCL Research Ethics Committee or other approvals if needed, and to include these in the dissertation submitted | ✓ | <input type="checkbox"/> |
| e) To provide my supervisor with a list of contact details | | |

- | | | |
|--|---|--------------------------|
| for my participants and full data set, if requested | √ | <input type="checkbox"/> |
| f) That the dissertation that I will submit is based on my own original work and data collected by me, unless otherwise clearly attributed | √ | <input type="checkbox"/> |

Student Signature:*Chen Li*..... Date:13/04/2018.....