



THE LONDON SCHOOL
OF ECONOMICS AND
POLITICAL SCIENCE ■

Department of Statistics
Meet your PD
MSc Data Science

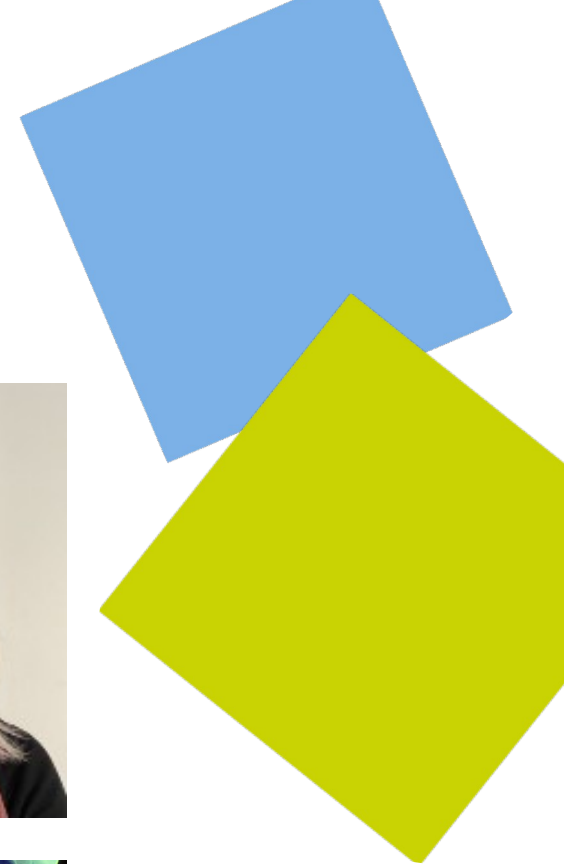




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Introduction

- [Sarah McManus](#):
 - MSc Programmes Manager
 - Office: COL 6.11 ([campus map](#))
 - E-mail: stats-msc@lse.ac.uk
- [Zoltan Szabo](#):
 - Programme Director and academic mentor to all MSc Data Science students
 - Office: COL 5.14
 - E-mail: z.szabo@lse.ac.uk



How can Sarah help you?

- Answer **non-academic queries** related to
 - department policies,
 - school policies,
 - wellbeing,
 - events, . . .

Wellbeing





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How can Zoltan help you?

- Provide **advice** on and give **final approval of course choices** at the beginning of Autumn and Winter Term.
- Discuss any **academic challenges** you may experience.
- Provide pastoral guidance on non-academic issues and **refer** you, as necessary, **to other support services** in the School.
- Maintain **regular contact** with you through direct one-to-one meetings and through regular email contact as needed.
- Follow up on any concerns regarding your **attendance and progress**.



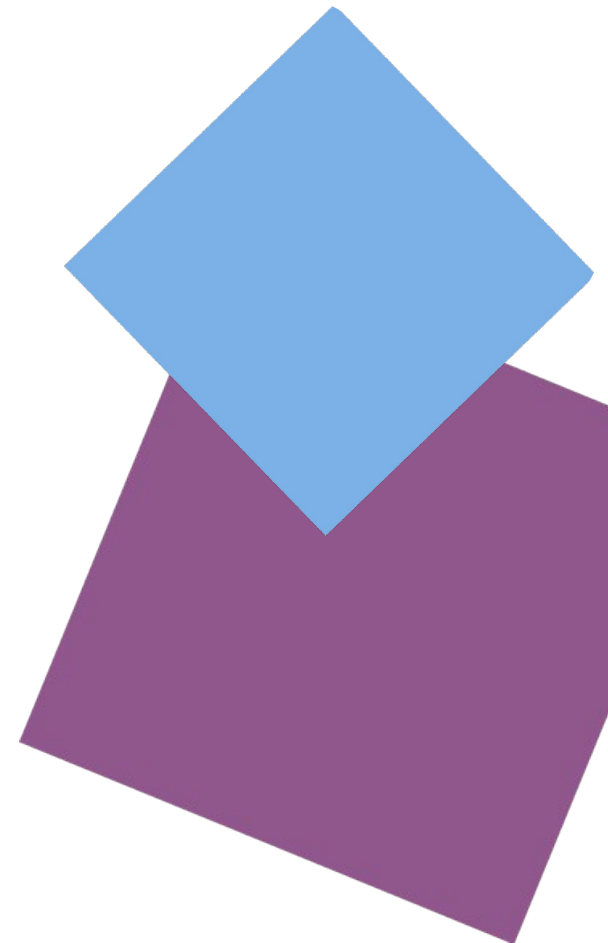


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Programme structure: 4 units

See more details in the
Programme Regulations,
accessed via [LSE Calendar](#).

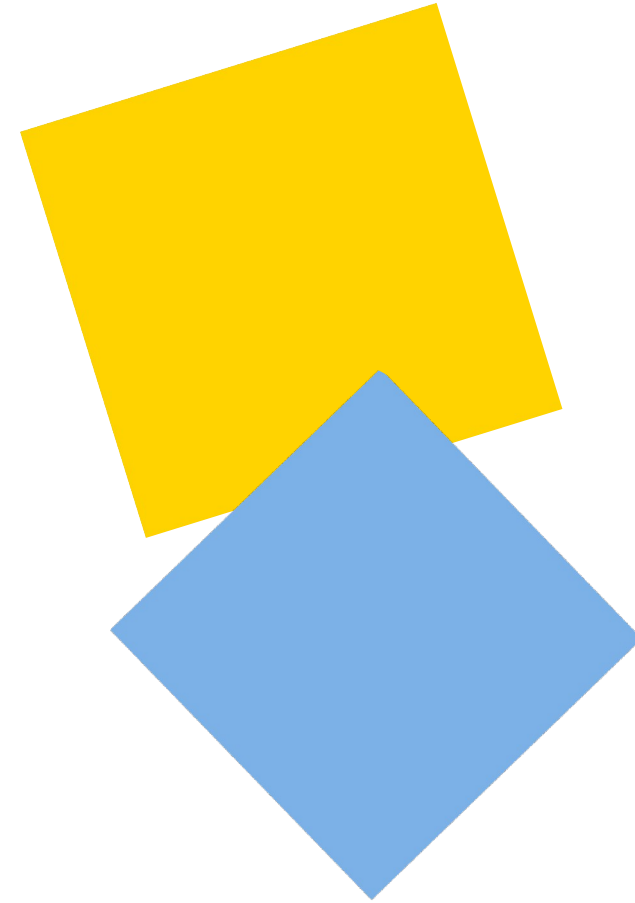
- Compulsory:
 - ST443 Machine Learning and Data Mining (H),
 - ST445 Managing and Visualising Data (H),
 - ST447 Data Analysis and Statistical Methods (H),
 - ST498 Capstone Project (F).
$$\Rightarrow 2.5 = 3 \times 0.5 + 1.$$
- Optional courses: $1.5 = 3 \times 0.5$ (≥ 0.5 unit of ST***)
 - next pages.





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- Data science options [ST = statistics]:
 - ST444 Computational Data Science (H),
 - ST446 Distributed Computing for Big Data (H),
 - ST449 Artificial Intelligence (H),
 - ST451 Bayesian Machine Learning (H),
 - ST455 Reinforcement Learning (H),
 - ST456 Deep Learning (H),
 - ST457 Graph Data Analytics and Representation Learning (H),
 - ST459 Quantum Computation and Information (H).





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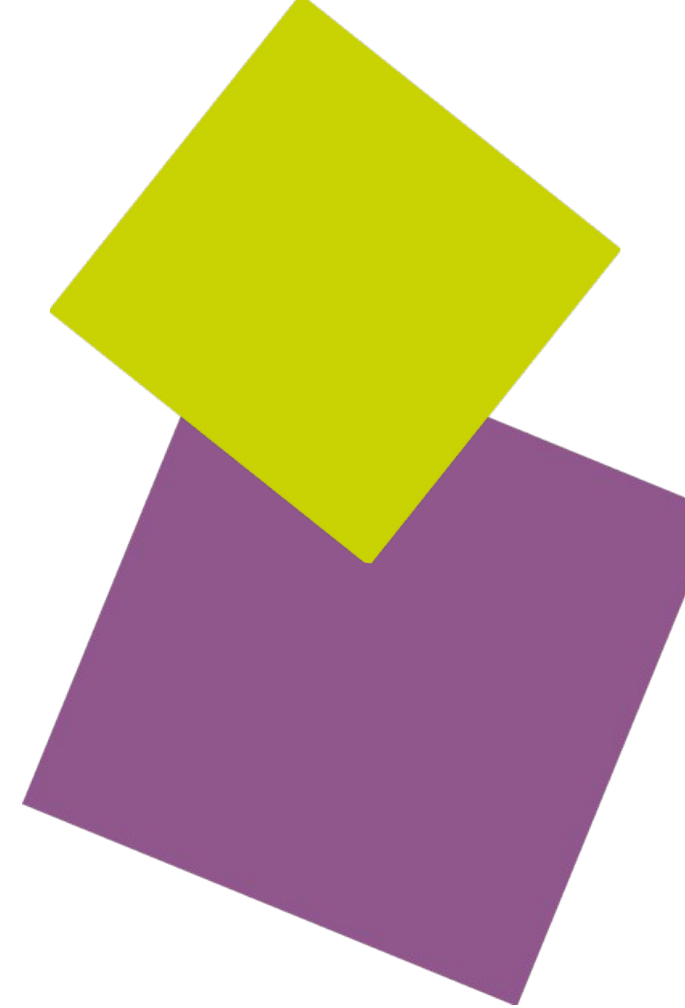
- Other statistics [ST = statistics]:
 - ST405 Multivariate Methods (H),
 - ST411 Generalised Linear Modelling and Survival Analysis (H),
 - ST418 Advanced Time Series Analysis (H),
 - ST429 Statistical Methods for Risk Management (H),
 - ST436 Financial Statistics (H),
 - ST454 Bayesian Data Analysis (H),
 - ST458 Financial Statistics II (H).





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- Options from other departments [MA = maths, MY = methodology]:
 - MA407 Algorithms and Computation (H),
 - MY459 Quantitative Text Analysis (H),
 - MY461 Social Network Analysis (H),
 - MY470 Computer Programming (H).

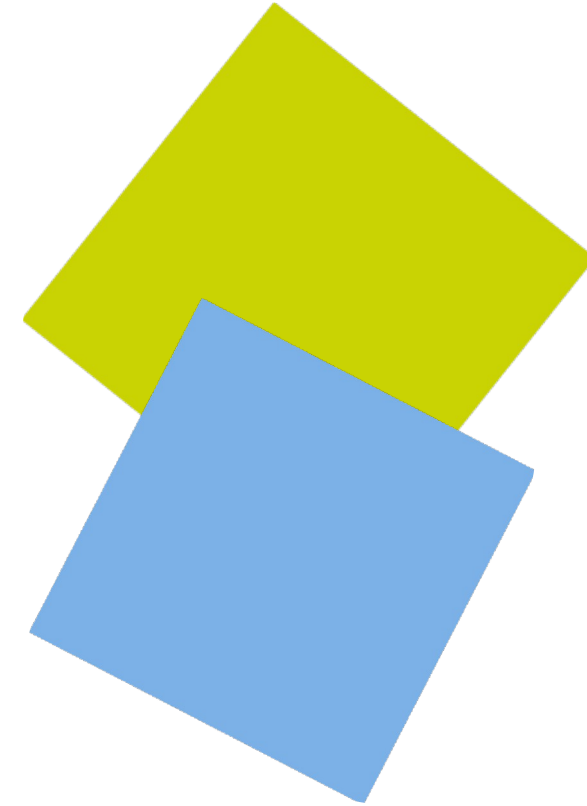




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Note on course selection

- Most courses in the Dept. of Statistics: **controlled access**
 - limited numbers and you must meet their pre-requisites.
- Many other departments operate similarly: [complete list](#).
- **Essential:**
 - Select your courses ASAP to maximize your chances of being accepted!





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Capstone project

- Real-world data science project with a company (Nov – Aug)

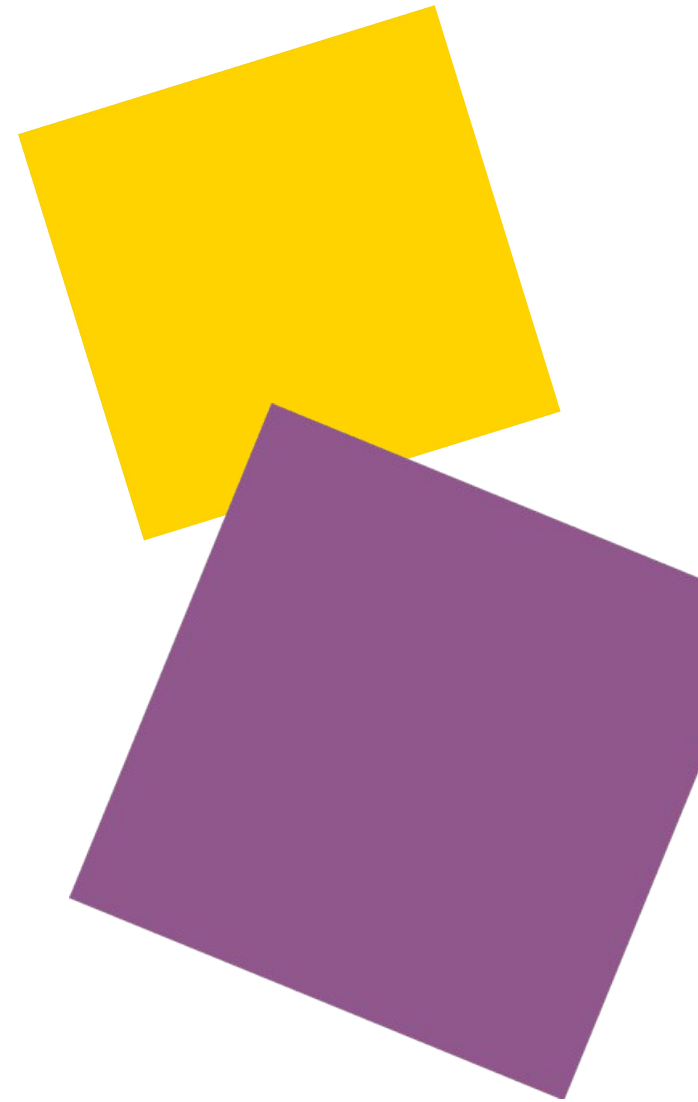




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Useful skills to pick up

- [LaTeX \(Overleaf\)](#): high-quality article/book/TR/poster/business card/. . . with minimal effort.
- Writing etiquette:
 - Top ML conferences: [NeurIPS](#), [ICML](#), [AISTATS](#), [UAI](#), [COLT](#),
 - Top journal: [JMLR](#).
- Publication morale: open, often conference; [arXiv](#) (stat.ML, cs.LG, math.OC).
- Mailing lists: [ML-News](#), [UAI](#), [allstat](#), [Connectionists](#).
- Programming language: [Python](#), [R](#).
- Operating system: [Linux](#).





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Academic support throughout your studies

Academic Mentor – Programme Director

Programmes manager

[LSE Life](#): academic workshops

[Language Centre](#)

[Academic Support Librarians](#)

[Digital Skills Lab](#)





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Getting In Touch

Questions about the Department or the MSc Data Science:

Sarah McManus

MSc Programmes Manager

First point of contact for administration

Email: stats-msc@lse.ac.uk

Zoltan Szabo

MSc Data Science Programme Director

First point of contact for academic queries

E-mail: z.szabo@lse.ac.uk

Questions about your application: Graduate Admissions Office

Search 'LSE Graduate Admissions' then go to the Knowledge Base

If your question is not answered, submit an enquiry through the Knowledge Base



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Questions?

