Personal details

Personal details

First / given name Poppaea

Second given name Jasmine

Third given name

Surname/family name Roberts

Date of birth 31 January 2001

Preferred first/given name Poppaea

Previous surname

Country of birth

Legal nationality

Dual nationality

Country of residence United Kingdom

Have you previously studied with Yes us at the University of Bristol?

Contact details

Home address

Please provide your permanent residential address. If you have another address and would prefer for us to contact you at that address instead you have the opportunity to add a correspondence address in the next section.

Country United Kingdom

Postcode CB1 9EX

Address Line 1 34 Drayton Road

Address Line 2 Cherry Hinton

City Cambridge

County Cambridgeshire

Telephone

If you would like us to send any postal correspondence to an address which is not your home address please enter an alternative address here. If you want us to send correspondence to your home address then please select No.

Do you want to add a No correspondence address?

Country United Kingdom

Postcode CB1 9EX

Address Line 1 34 Drayton Road

Address Line 2 Cherry Hinton

City Cambridge

County Cambridgeshire

Telephone

Agent

Agent details

Agency Name Email address

Other information

Additional Documents

Please upload required documents as outlined in your admissions statement

Mode of study

How would like to study this Full Time **programme?**

Qualifications

Qualifications

Institution	Qualification	Туре	Subject	Actual/predicted	Grade	Start date	End date
	A Level England (new linear style)	Academic Qualification	Economics	Actual			
	Pre-U certificate	Academic Qualification	Physics	Actual			
	A Level England (new linear style)	Academic Qualification	Mathematics	Actual			
University of Bristol	First degree BA/BSC etc	Academic Qualification	Electronics	Predicted	First	23/Sep/2019	11/Jul/2022
University College London (UCL)	Master's Degree (PG)	Academic Qualification		Actual	Distinction	23/Sep/2022	01/Dec/2023

If these qualifications have I believe I must have made a mistake previously because I did not study Electronics, altered since your last but Economics at BSc. The predicted First noted there is officially obtained. application please note the changes in the free text box here.

English Language

Is English your first language? Yes
What is your first language?
Did you study at
school/university where you were
taught in English?
For how many years?
Have you sat a relevant English
language test?

TOEFL (internet-based)

Registration number
Date of TOEFL test
TOEFL reading score
TOEFL listening score
TOEFL speaking score
TOEFL writing score
TOEFL total score

IELTS (International English Language Testing System)

Test report form (TRF) number
UKVI number (if applicable)
Date of IELTS test
IELTS listening score
IELTS reading score
IELTS writing score
IELTS speaking score
IELTS total score

Pearson Test of English

Score report code

Date of Pearson test

Pearson listening score Pearson reading score Pearson speaking score Pearson writing score Pearson overall score

Other English Language test

Name of course Registration number Date of test Listening score Writing score Reading score **Total score**

Experience

Current Employer

Employer name and address London Stock Exchange Group 10 Paternoster Sq., City of London, London EC4M

7LS

Job title and main duties Risk Analyst • Managing the default fund for the CDS Clearing House, concerning

member contributions, fund allocations, and regulatory compliance with consideration

for resilience against member defaults

Full time/Part time Full time

Date of Appointment 06 January 2025

End date (if applicable)

Previous employment 1

Employer name and address London Stock Exchange Group 10 Paternoster Sq., City of London, London EC4M

Job title and main duties Technology Graduate Associate • Developed an application to simulate credit events.

such as corporate bankruptcy, in index data, for the Credit Default Swaps Clearing House • Tested code changes by developing Gitlab CI/CD pipelines for automatic cre

Full time/Part time Full time

Date of Appointment 04 September 2023

End date (if applicable) 05 October 2024

Previous employment 2

Employer name and address Papercup Al Dubbing 4th Floor, 10 Alie St, London E1 8DE

Job title and main duties Strategy and Operations Intern • Developed a dashboard to monitor Google search and YouTube viewership interest in news topics to automate the selection of video

content for the Bloomberg en Espa nol YouTube channel

Full time/Part time Full time

Date of Appointment 04 August 2022

End date (if applicable) 22 September 2022

Previous employment 3

Employer name and address Sunley House Capital Management Prudential Tower 800 Boylston Street Boston, MA 02199-8069 USA Tel: +1 617 951 9705

Job title and main duties • Constructed Discounted Cash Flow models for investment valuations and presented

my findings along with qualitative research in pitch-book presentations • Applied Geometric Brownian Motion Monte Carlo simulation for expected option payoffs

Full time/Part time Full time

Date of Appointment 28 June 2021 End date (if applicable) 06 August 2021

Other Experience

Do you have any other relevant No work experience to support your application?

Please provide details

Personal statement

Personal details

Do you have a personal Yes statement to upload?

Please type your personal statement in the box

Research proposal

Research proposal

Proposed supervisor 1 Dr Katarzyna Reluga
Proposed supervisor 1
Proposed project title Interpretable machine learning (iML) for official statistics (max 150 chars)

Passport and visa

Visa required

Do you require a visa to study in No the UK?

Please fill out your passport details below. If you are unable to provide these at the current time you will have another opportunity to upload your passport after you submit the form. If you do not provide us with this information we will be unable to issue you with your confirmation of acceptance number and you will be unable to obtain a visa.

Passport details

Passport number

Further details

Have you previously studied in the UK? What was the highest level of study in the UK? Please confirm the total length of your UK study in years

Referees

Referee 1

Do you have a reference to No

upload?

Type of reference Academic

Referee title Professor

Forename Neil

Surname Davies

Position Professor of Medical Statistics

Institution/Company University College London

Email address neil.m.davies@ucl.ac.uk

Country United Kingdom

Referee 2

Do you have a second reference No

to upload?

Type of reference Academic

Referee title Professor

Forename Richard

Surname Davies

Position Professor in the School of Economics

Institution/Company University of Bristol

Email address richard.davies@bristol.ac.uk

Country United Kingdom

<u>Funding</u>

Funding 1

What is your likely source of Scholarship funding?

Please give the name of your The Martingale Postgraduate Scholarship scholarship or Studentship

Please specify

Percentage from this source 100 Is this funding already secured? No

Funding 2

What is your likely source of funding?

Please give the name of your scholarship or Studentship

Please specify

Percentage from this source
Is this funding already secured?

Funding 3

What is your likely source of funding?

Please give the name of your scholarship or Studentship

Please specify

Percentage from this source
Is this funding already secured?

Other funding

I would like to be considered for Yes other funding opportunities

Submission

Documents

Document type File name

Curriculum vitae CV_Anon.pdf

Degree certificate MScCertificate.jpeg.pdf Transcript UCL Transcript.pdf

Personal Personal Statement PDF.pdf

statement

Research proposal Research Statement.pdf

By ticking the checkbox below and submitting your completed online application form, you acknowledge the University of Bristol will use the information provided from time to time, along with any further information about you the University may hold, for the purposes set out in the <u>University's full Data Protection Statement</u>. Applicants applying to the collaborative programmes of doctoral training should also read the <u>Data Protection Statement</u> for collaborative programmes of doctoral training.

The information that you provided on your application form will be used for the following purposes:

- To enable your application for entry to be considered and allow our Admissions Advisors, where applicable, to assist you through the application process;
- To enable the University to compile statistics, or to assist other organisations to do so. No statistical information will be published that would identify you personally;
- To enable the University to initiate your student record should you be offered a place at the University.

All applicants should note that the University reserves the right to make without notice changes in regulations, courses, fees etc at any time before or after a candidate's admission. Admission to the University is subject to the requirement that the candidate will comply with the University's registration procedure and will duly observe the Charter, Statutes, Ordinances and Regulations from time to time in force.

By ticking the checkbox below and submitting your completed online application form, you are confirming that the information given in this form is true, complete and accurate and that no information requested or other material information has been omitted. You are also confirming that you have read the Data Protection Statement and you confirm the statement below.

I can confirm that the information I have provided is true, complete and accurate. I accept that the information given in my application will be stored and processed by the University of Bristol, in accordance with the *UK General Data Protection Regulation and Data Protection Act 2018*, in order to:

- · Consider my application and operate an effective and impartial admissions process;
- Monitor the University's applicant and student profile;
- · Comply with all laws and regulations;
- Ensure the wellbeing and security of all students and staff;
- If my application is successful to form the basis of the statement made within my application.

If the University of Bristol discovers that I have made a false statement or omitted signification information from my application, for example examination results, I understand that it may have to withdraw or amend its offer or terminate my registration, according to circumstances.

EDUCATION

MSc Data Science, University College London (Distinction)

Sept 22 - Sept 23

- Key Statistics Modules: Decision and Risk, Statistical Computing, Forecasting, Applied Bayesian Methods
- Key Machine Learning Modules: Introduction to Machine Learning, Statistical Natural Language Processing

BSc Economics, University of Bristol (First-Class Honours)

Sept 19 - Jul 22

• Key Modules: Economic Data; Probability, Statistics, and Econometrics; Mathematics for Economics

PROJECTS

Within-Family Mendelian Randomization for causal inference of the potential relationship between physical traits and academic performance, using data from the Norwegian Mother and Baby Dataset for my MSc research project. Currently completing Multiple Imputation and formatting for potential submission to Life Sciences

Instrumental Variables for Causal Inference to determine whether a causal relationship may exist between patent grants and subsequent related innovations in my BSc dissertation

NLP for Market Volatility Prediction using using Beautiful Soup and API wrappers for data scraping, word embedding using Word2Vec, and Naive Bayes for sentiment classification within my BSc

Kinship Charity volunteering, presenting to the secretary of state for education and other MPs at conference in the House of Commons after penning an open letter receiving over 7,000 signatures, alongside a short documentary

INDUSTRY EXPERIENCE

London Stock Exchange Group - Markets, Risk Analyst

Jan 25 - Present

• Managing the default fund for the CDS Clearing House, concerning member contributions, fund allocations, and regulatory compliance with consideration for resilience against member defaults

London Stock Exchange Group - Markets, Technology Graduate Associate

Sept 23 - Jan 25

- Developed an application to simulate credit events, such as corporate bankruptcy, in index data, for the Credit Default Swaps Clearing House
- Tested code changes by developing Gitlab CI/CD pipelines for automatic creation of AWS EC2 instances
- Founded the LSEG Mixed netball team, Member of the LSEG Women's Netball Team and WINTech

Strategy and Operations Intern, Papercup AI

Aug 22 - Sept 22

• Developed a dashboard to monitor Google search and YouTube viewership interest in news topics to automate the selection of video content for the Bloomberg en Español YouTube channel

Asset Management Summer Analyst, Advent International

Jun 21 - Aug 21

- Constructed Discounted Cash Flow models for investment valuations and presented my findings along with qualitative research in pitch-book presentations
- Applied Geometric Brownian Motion Monte Carlo simulation for expected option payoffs

SKILLS

Programming:

Oracle Java SE17 Developer, Python (Pandas, Numpy), R (Tidyverse, Dplyr), Bash Scripting

Tools: Amazon Linux 2 Workspace, Git for version control, Excel modelling, SpringBoot

SCHOLARSHIPS

Martingale PhD Navigator: Conditional funding from the Martingale Foundation for PhD study

Academic and Means Tested Scholarships: UCL Masters Bursary (£10,000), Lloyd's Scholarship for Leadership (£9,000) The Perse Academic Bursary (full-ride), The Stephen Perse Foundation Academic Bursary (full-ride)

Language Study: Scholarship for foreign exchange study at Keio school Tokyo



POPPAEA JASMINE ROBERTS

having satisfactorily completed the approved course of study and the prescribed assessment has this day been awarded the degree of

Master of Science

in

Data Science

with

Distinction

Date of award: 1 December 2023

Dr Michael Spence AC President and Provost University College London

Mutatu

000000284264-1



The Bristol BSc in Economics provided me with a foundation not just in probability theory and econometric estimation, but also in mathematics fundamentals such as calculus, matrices and linear algebra. Later in my studies, I chose a module in Data Science, where I practiced data scraping, analysis, and the application of simple machine learning models. For example, I completed one project applying the naïve bayes classifier for sentiment analysis. Sentiment analysis interested me as an example of how theoretical concepts such as matrices and vectorization are applied to make unstructured data usable. This led me to the UCL MSc in Data Science. From regression models and support vector machines to applying Markov chain Monte Carlo methods using WinBUGS and generally learning to implement our knowledge efficiently in Statistical Computing, the program's statistical rigor developed my understanding of advanced methods for statistical analysis, model assumptions, concepts of over and underfitting and how these issues can be avoided using feature selection or regularization.

My BSc dissertation was my first experience in independent mathematical research and report writing. I implemented Chi-squared testing to test for random assignment of the instrumental variable of choice and performed an instrumental variable analysis using the 2SLS estimator. I enjoyed learning to articulate about the mathematical methods, to assess the validity of their assumptions, and to carefully interpret the results.

My MSc research project extended my work in causal inference. I performed a within-family Mendelian Randomization study and extended my understanding of causal pathways and estimation. Throughout this project, I developed a productive working relationship with my supervisor, and I believe this was a key factor in enabling my production of such a high-quality academic report, which we hope to submit for peer-review, most likely in Life Sciences.

I therefore believe that I have the strong mathematical background and ability to collaborate with academic staff required to excel in the PhD Mathematics program. I have consistently made efforts to expand my knowledge and engage with diverse fields of study, and I hope that this will allow me to bring an interested and dedicated personality to Bristol's mathematics faculty.

This proposal is written with Professor Katarzyna Reluga in mind as the relevant potential supervisor and is based on her proposal for the project: Interpretable machine learning (iML) for official statistics, and our subsequent discussion.

This project merges methodologies from small-area estimation and semi-supervised learning to develop interpretable machine learning models capable of addressing data domains characterized by heterogeneities across subgroups, such as regional disparities in official statistics. A focus will be on scenarios where labeled data are sparse, for which there will be two primary methodological approaches.

The first of these will be the derivation of the conditional prediction function via the application of weightings to the data features. Weights will depend on the proximities in the feature space. Potential methods may include nonparametric techniques. We may consider kernel density estimation, distance-based weightings, or piecewise splines, for some examples.

The latter approach will involve applying predictive models to estimate labels for the unlabeled data. Labeled data will be leveraged to train predictive models and generate missing labels. Missing labels would be imputed and the previously unlabeled data incorporated into the analysis. A multitude of techniques from statistical modelling and machine learning each have potential for the label prediction problem, and therefore we will aim to compare the effectiveness of a wide range of models.

In fact, a significant portion of this project will focus on developing a framework for model selection across these methodologies. A generalizable metric may be proposed for the comparison of models where possible, with consideration for the granularity required in the specific data context.

The project focuses on deriving the convergence properties and optimality conditions of proposed estimators, and ideally on the development and application of interpretability methods with known behavior and theoretical guarantees where possible.

Proposed methods may be validated via simulation studies, and there may also be the potential for applications to real-world datasets such as from official statistics.

The project will culminate in the production of software packages in R or Python which implement our proposed methods.

Aside from my interest in this specific project, the opportunity to join the particularly large cohort of PhD students and staff within Bristol's mathematics faculty will allow me both to be supported by a strong academic community, but also to maintain an understanding of topics outside of my specific research interest through intellectual exchange.

Furthermore, participating in the APTS modules would be a chance to both expand my knowledge and my academic network across other leading institutions.



Academic Transcript

Personal Information

Student: Poppaea Jasmine Roberts

Date of Birth: 31st January 2001 University Reference: 19007937/1

HESA Reference:

Programme Information

Teaching Institution: University College London Language of Instruction: English

Programme of Study: MSc Data Science

Qualification Sought: Master of Science FHEQ Level: 7

Mode of Attendance: Full-time

Award Information

Qualification Awarded: Master of Science in Data Science

Classification: Distinction

Date of Award: 1st December 2023 Awarding Institution: University College London

Module Information

Academic			UCL	ECTS	Result		Attempts	
Year	Module Code	Module Title	Credit Awarded	Credit Awarded	Mark	Grade	Completed	
2022/23	COMP0087	Statistical Natural Language Processing	15.00	7.50	74.00	Р	1	
	COMP0088	Introduction to Machine Learning	15.00	7.50	57.50	Р	1	
	STAT0010	Forecasting	15.00	7.50	59.15	Р	1	
	STAT0011	Decision and Risk	15.00	7.50	54.32	Р	1	
	STAT0027	Foundation Fortnight	0.00	0.00		Р	1	
	STAT0029	Statistical Design of Investigations	15.00	7.50	69.41	Р	1	
	STAT0030	Statistical Computing	15.00	7.50	74.85	Р	1	
	STAT0031	Applied Bayesian Methods	15.00	7.50	66.80	Р	1	
	STAT0032	Introduction to Statistical Data Science	15.00	7.50	63.36	Р	1	
	STAT0034	Research Project	60.00	30.00	80.20	Р	1	
Total credits ga	180	90						

University Reference: 19007937/1

END OF TRANSCRIPT





UNIVERSITY OF BRISTOL

We hereby certify that

Poppaea Jasmine Roberts

having duly satisfied the Examiners appointed by Senate and having fulfilled all the conditions prescribed by ordinance and regulations by resolution of the Board of Trustees was awarded the Degree of

BACHELOR OF SCIENCE in Economics with First Class Honours

on the

5 July 2022

VICE - CHANCELLOR AND PRESIDENT

1908180

REGISTRAR AND UNIVERSITY SECRETARY



To request award verifications and transcripts directly, visit www.bristol.ac.uk/directory/exams/cert-verif-results/



UNIVERSITY OF BRISTOL TRANSCRIPT/DIPLOMA SUPPLEMENT

This transcript incorporates the model developed by the European Commission, Council of Europe and UNESCO/CEPES for the Diploma Supplement (DS) and aspects of the Higher Education Achievement Report. The purpose of the transcript/DS is to provide sufficient recognition of qualifications and it is designed to provide a description of the nature, level, context and status of the studies that were pursued and successfully completed by the named individual. Further information about the Diploma Supplement is available at https://ec.europa.eu/education/diploma-supplement_en and the Frameworks for Higher Education Qualifications of UK Degree-Awarding Bodies at https://www.qaa.ac.uk/docs/qaa/quality-code/qualifications-frameworks.pdf.

Name of Student Date of Birth University Reference HESA Reference

Qualification FHEQ Level Programme of Study

Length of Programme (on a full time basis)

Faculty Mode of Study

Awarding/Teaching Institution

Language(s) of Instruction/Assessment

Poppaea Jasmine Roberts

31 January 2001 1908180/1 1911129081809

Bachelor of Science

Bachelor's Degree (Honours and Ordinary)

Economics (BSc)

3 Year(s)

Faculty of Social Sciences & Law

Full Time

University of Bristol

English

Language(s) of instruction/Assessment		English							
2019/20 Economics (BSc)	Unit Level	Unit Status	1st Mark	1st Outcome	Additional Attempt	Mark	Outcome	Credit	
EFIM10016 Economic Data	4	0	73	P	πιτοπηστ	man	Catoomo	20	
EFIM10023 Mathematics for Economics	4	C	71	P				20	
EFIM10024 Probability, Statistics and	4	C		P				20	
Econometrics		Hittari.						-	
EFIM10025 Economics 1	4	С	74	Р				20	
EFIM10027 Economics 2	4	С		Р				20	
UWLP20008 Pre-intermediate Japanese	5	0	75	P				20	
Pre-intermediate Japanese Writing Exam			75	Р					
Credit points awarded in this academic year								120	
Cumulative credits								120	
2020/21 Economics (BSc)	Unit	Unit	1st	1st	Additional				
` '	Level	Status	Mark	Outcome	Attempt	Mark	Outcome	Credit	
ECON20023 Growth and Development	5	0	91	P				20	
EFIM20011 Econometrics 1	5	C	67	Р				20	
EFIM20033 Intermediate Microeconomics	5	C	76	Р				20	
EFIM20034 Intermediate Macroeconomics	5	C	73	P				20	
EFIM20036 Econometrics 2	5	C	73	P				20	
UWLP30001 Intermediate Japanese	6	0	75	P				20	
UWLP30001 Oral Presentation			68	P					
UWLP30001 Intermediate Japanese Writing Exam			78	Р					
Credit points awarded in this academic year								120 240	

1908180/1 - Poppaea Jasmine Roberts

2021/22 Economics (BSc)	Unit	Unit	1st	1st	Additional			
	Level	Status	Mark	Outcome	Attempt	Mark	Outcome	Credit
ECON30006 Data Science	6	0	76	Р				20
EFIM30027 Behavioural Economics	6	0	62	Р				20
EFIM30031 Applied Economics Dissertation	6	0	76	Р				40
EFIM30034 Public Economics	6	0	61	Р				20
EFIM30049 Communicating Economics	6	0	68	Р				20
Credit points awarded in this academic year								120
Cumulative credits								360

Award Bachelor of Science in Economics Classification (If any)

With First Class Honours

Commendation (If any)

Date of Award

5 July 2022

Date Transcript Issued

14 July 2022

Issued by: Paula Coonerty, Academic Registrar.

Signature:

UNIVERSITY OF BRISTOL TRANSCRIPT / DIPLOMA SUPPLEMENT

Academic Information

- The University's qualifications and the number and level of credit points required for each qualification, as set out in the University's credit framework, are provided at: <a href="www.bristol.ac.uk/academic-quality/assessment/regulations-and-code-of-practice-for-taught-programmes/programme-programm
- 2. Students with prior learning may be admitted directly into a programme of study, see www.bristol.ac.uk/academic-quality/assessment/regulationsand-code-of-practice-for-taught-programmes/rpl.
- The pass mark is 40 for units at levels 4-6 and 50 for level 7 and units on the Veterinary Science, Medicine and Dentistry programmes. A unit may be marked on a pass/fail basis where no numerical mark is given. For the purposes of determining progression and degree classification, the unit mark may be capped at the pass mark where it is achieved at the second attempt.
- The University's regulations for awarding qualifications and degree classification, including the classification bands, are available, by academic year at: www.bristol.ac.uk/academic-quality/assessment/.
- Explanation of Unit Status Symbols:

Compulsory 0 Optional Voluntary

Explanation of Outcome Symbols:

Pass

- Further details relating to programme outcomes, structure, methods of assessment, access requirements and any professional skills/status obtained are outlined in the University's Programme Specifications at: www.bristol.ac.uk/prog-catalogue/.
- If there are queries regarding the content of this Transcript, or if it is required in an alternative format, please contact the relevant Faculty Office (www.bristol.ac.uk/faculties/).



Priory Road Complex Priory Road, BS8 1TU E-mail: patrick.gaule@bristol.ac.uk

Dear Members of the Selection Committee,

I am writing to support the application of Ms Poppaea Roberts whom I understand is applying for the PhD/MPhil in Mathematics at the University of Bristol.

I have known Poppaea as her undergraduate dissertation and personal tutor at the University of Bristol during the academic year 2021-2022. Poppea is among the 2-3 most impressive students I have had among the 300+ undergraduate economics students I have taught in my career at Bath and Bristol (both programs with high entry requirements).

You will see from her application materials that she got a first-class degree in economics from us and proceeded to study at UCL for her masters. Her dissertation was extremely well thought trough and executed and I graded it as a strong first-class. I also remember a number of Poppea's personal characteristics which I think would serve her very well in a dissertation. Besides being very smart, she is ambitious and driven. She is also very good at both seeking and incorporating feedback (in that case from me as her dissertation advisor).

In summary, I endorse her application without reservation. Please feel free to contact me should you need additional information.

Best regards,

Patrick Gaule
Associate Professor in Economics
University of Bristol
patrick.gaule@bristol.ac.uk
+44 7507 182801



Neil Martin Davies

University College London
Maple House
149 Tottenham Court Road
London W1T 7NF
United Kingdom
Email: neil.m.davies@ucl.ac.uk

Tel: +44 7872 018338 January 6, 2025

Dear Bristol panel,

Re: Poppaea Roberts reference

Thank you for requesting a reference for Poppy.

My role

I am a Professor of Medical Statistics in the Department of Statistical Science at UCL. I have supervised many MSc student projects, PhD students, and postdoctoral researchers. I served as Poppy's dissertation supervisor for her Data Science MSc at the UCL Department of Statistics.

Expected final result and interim grades

Poppy has completed her MSc degree and achieved a distinction (the highest classification) and the exceptional standard of her dissertation research. Her assessments have consistently been among the top in her cohort, reflecting her strong quantitative and analytical abilities.

Academic potential and relevance of prior study

Poppy's academic potential for advanced study in mathematics is very high. Her MSc work involved complex statistical methods and advanced programming skills, directly relevant to a rigorous postgraduate curriculum in mathematics or related quantitative fields. The Data Science modules she completed—focusing on statistical modeling, computational methods, and data analysis—form a logical foundation for more advanced theoretical and methodological work in mathematics. The natural progression from these methods to more abstract mathematical frameworks is a natural next step for her academic development.

Intellectual characteristics

Poppy is intellectually curious and demonstrates strong critical thinking, analytical reasoning, and the capacity for developing coherent, well-structured arguments. She deftly understands complex statistical concepts and swiftly adapts to new analytical frameworks. Her intellectual agility is also evident in her command of computational tools, quantitative methods, and the conceptual underpinnings of her research. This intellectual curiosity is complemented by her willingness to probe beyond standard approaches, exploring new methodologies and seeking deeper theoretical insights.

Motivation and persistence

Poppy's motivation is exceptional. When confronted with challenging tasks, from complex statistical analyses to tight deadlines, she has displayed remarkable persistence. She consistently goes beyond the minimum requirements, whether by extending her analyses, exploring more nuanced modeling strategies, or refining her presentations. Her internal drive ensures that she not only

completes set tasks but strives to perfect them.

Task and time management

Working largely independently on her dissertation, Poppy proved she could manage her time efficiently and prioritize effectively. She set realistic goals, adhered to self-imposed timelines, and was disciplined in balancing coursework with research activities. Her ability to work systematically has allowed her to maintain quality under pressure, a skill that will serve her well in a postgraduate research environment where autonomy and effective time management are critical.

Responsiveness to feedback and collaboration

Poppy's effectiveness as a student extends to her openness to feedback and her capacity for self-reflection. When provided with comments on her analytical approach or suggestions for further reading, she responded promptly and thoughtfully, incorporating feedback into her work. She is also an excellent communicator and collaborator, contributing meaningfully to group discussions and readily assisting peers. Within an intellectual community, she values the exchange of ideas, shows respect for diverse viewpoints, and contributes constructively to shared endeavors.

Summary view

In summary, Poppy is a remarkable student who has excelled academically. Her strong intellectual capabilities, motivation, and adaptability, coupled with her exceptional quantitative and analytical skills, indicate that she will thrive in a demanding postgraduate mathematics program. She would be an asset to any advanced academic setting.

If you have any further questions, please do not hesitate to get in contact with me.

Yours sincerely,

Prof Neil Davies