



Francesca Panero

Curriculum Vitae

24-29 St Giles', OX1 3LB Oxford, United Kingdom

Gender: Female

Nationality: Italian

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Education

- Oct. 2017 – **DPhil student in Statistical Science (OxWaSP: Oxford - Warwick Statistical Programme)**, *University of Oxford*.
Present Expected graduation date: July 2021
- Oct. 2015 – **Senior Allievo, Allievi Honors Program**, *Collegio Carlo Alberto*, Moncalieri (TO).
Jul. 2017 Master in Statistics and Applied Mathematics *with distinction*
- Sept. 2015 – **M.Sc. in Stochastics and Data Science**, *Università degli Studi di Torino*, Torino.
present Final grade: 110/110 *cum laude*
- Sept. 2012 – **Junior Allievo, Allievi Honors Program**, *Collegio Carlo Alberto*, Moncalieri (TO).
July 2015 Diploma Allievi in Economics *with distinction*
- Sept. 2012 – **Laurea in Matematica (Bachelor in Mathematics)**, *Università degli Studi di Torino*,
Oct. 2015 Torino.
Final grade: 110/110 *cum laude*
- Sept. 2007– **High School Diploma (with emphasis on Humanities)**, *Liceo Classico "V. Alfieri"*,
July 2012 Torino.
Final grade: 98/100

Publications and Preprints

- 2019 **Optimal Disclosure Risk Assessment**, (*under revision at the Annals of Statistics*).
F. Camerlenghi, S. Favaro, Z. Naulet, **F. Panero**. ArXiv: 1902.05354

Working papers

- 2019 **On sparsity, power-law and clustering properties of graphex processes**.
F. Caron, **F. Panero**, J. Rousseau.

Talks and posters

- Jul. 2019 **Bocconi Summer School in Advanced Statistics and Probability**, *poster*.
Sparse spatial random graphs
- Jun. 2019 **Bayesian Nonparametrics 2019**, *poster*.
Sparse spatial random graphs
- Jun. 2019 **Italian Statistical Society 2019**, *invited session*.
Optimal disclosure risk assessment
- Mar. 2019 **Workshop on Machine Learning, Computational Statistics and Applications, Amazon Development Centre Germany**, *poster*.
Sparse spatial random graphs
- Jun. 2018 **2018 ISBA World Meeting**, *poster*.
Optimal disclosure risk assessment

Work Experience

- Oct 2018 – **Tutor and TA in Applied Statistics**, *University of Oxford*.
- Dec. 2019 Marking and showing solutions to problem sheets for 3rd year students of the BA in Mathematics.
- Apr. 2019 – **Tutor in Preliminary of Statistics and Data Science**, *University of Oxford*.
- Jun. 2019 Hertford College tutor.
- Jan. 2019 – **Tutor in Applied Statistics**, *University of Oxford*.
- Mar. 2019 Tutoring a visiting student of the Exeter College-Williams Programme.
- Sept. 2012 – **Private student tutor in Mathematics and Physics**, *Torino*.
- Aug. 2017 Tutoring high school and middle school students.
- April 2015 – **Collaboration project with DB&B Consulting**, *Torino*.
- July 2015 Thesis in collaboration with *DB&B Consulting*, risk management company.
- Aug. 2015 – **Internship, Accounting office RSM**, *Torino*.
- Sept. 2015 Working on voluntary disclosures.
- Sept. 2014 **Speaker at the conference "Mathematics, Physics and Music"**, *Torino*.
Lecturer for Alfaclass summer school of Mathematics, Fondazione CRT.

Scholarship and Awards

- Sept. 2017 – **EPSRC full scholarship (4 years)**, *Oxford*.
present Scholarship covering salary, university fees and college fees.
- Sept. 2012 – **Allievi Honors Program full scholarship, Collegio Carlo Alberto, Moncalieri (TO)**.
- Jul. 2017 Scholarship covering university fees.
- Aug. 2016 **Scholarship for summer school "Applied Bayesian Statistics"**, *Como*.
Summer school "Bayes, Big Data, and the Internet" held by Dr. Steven Scott, Google.
Awarded according to merit criteria.
- 2016 **Erasmus scholarship**.
Won, but refused, a six-months scholarship for University of Zurich (Switzerland).
Awarded according to merit criteria.

Summer School

- Jul. 2019 **Bocconi Summer School in Advanced Statistics and Probability**, *Como*.
Random Graphs and Complex Networks: Structure and Function.
Remco van der Hofstad (Eindhoven University of Technology, NL), Shankar Bhamidi (University of North Carolina, USA)
- Aug. 2016 **Summer school "Applied Bayesian Statistics"**, *Como*.
Bayes, Big Data, and the Internet.
Dr. Steven Scott, Director of Statistics Research at Google
- Sept. 2013 **Alfaclass summer school of Mathematics**, *Università degli Studi di Torino*.
Fondazione CRT, Diderot Project

Skills

Languages

- English** Fluent in speaking and writing
TOEFL exam (Oct. 2016): 109/120
- French** Good speaking and writing skills
DELFB1 exam (Feb. 2012): 92/100
- Italian** Native speaker

Computer Skills

Basic: HTML, SAS, SQL, C++, CUDA

Intermediate: MATLAB, Microsoft Windows and Office (ECDL: European Computer Driving Licence)

Advanced: Python, R, \LaTeX

Other Skills

GRE exam (Sept. 2016):
Quantitative 170/170, Verbal 156/170, Analytical Writing 3.5.

Extra-Curricular Activities

- Organization** Co-organizer of the R Users Group in Oxford. Water Safety Officer and Welfare Representative at St. Peter's College Boat Club. Sports Representative at St. Peter's College MCR (Middle Common Room).
- Volunteering** Tutoring A-level students in Mathematics in a school in Oxford. Children's teacher and entertainer in two one-month-long experiences in Oyem (Gabon, Aug. 2011) and Kafubu (Dem. Rep. of Congo, Aug. 2013) with Salesians of Don Bosco. Experiences with refugees in Southern Italy during summers 2015 and 2016. Children's entertainer for the parish *Santa Maria della Scala* in Moncalieri (2008 - 2012).
- Music** Playing piano since 2002: Certificazione A at Conservatorio Alessandria (Oct. 2015) and Diploma Teoria e Solfeggio at Conservatorio Cuneo (June 2009). Conducting and singing in choir (Sept. 2011 - present).
- Sport** Rowing at college level at University of Oxford (since 2018). Synchronized swimming (2005 - 2011), regional competitions. Tennis.