

Stanislav Nagy

Curriculum Vitae, September 2023

Personal details

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| Family name: | Nagy | First name: | Stanislav |
| Nationality: | Slovak | ORCID: | 0000-0002-8610-4227 |
| Web: | www.karlin.mff.cuni.cz/~nagy gems.karlin.mff.cuni.cz | Scopus: | 56519313700 |
| | | ResearcherID: | D-9116-2017 |
| Date of birth: | 1st of December, 1987 | Ph.D. defence: | 19th of December, 2016 |

Qualifications and work experience

II

Research and teaching positions

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| 2017 – present | Charles University , Prague, Czech Republic Assistant Professor, Dept. of Probability and Math. Statistics Supervised post-doctoral fellows/master students/bachelor students: 1/5/10 Teaching activities: Linear Regression (2017 – 2022) (courses co-taught) Modern Statistical Methods (2017 – present) Mathematical Statistics I and II (2017 – present) Probability and Statistics (2017 – present) Advanced Statistics Seminar (2020 – 2023) |
| 2013 – 2017 | Research Foundation – Flanders , Belgium Ph.D. fellow, KU Leuven, Department of Mathematics Including a postdoctoral stay of 9 months in January – September 2017 |

Education history

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| 2013 – 2016 | Ph.D. in Mathematics (double degree) , KU Leuven, Belgium Faculty of Science; Ph.D. supervisor Prof. Irène Gijbels |
| 2011 – 2016 | Ph.D. in Probability and Mathematical Statistics (double degree) Charles University , Prague, Czech Rep. Faculty of Mathematics and Physics; Ph.D. supervisor Prof. Daniel Hlubinka |
| 2009 – 2011 | Mgr. in Probability, Math. Statistics and Econometrics (summa cum laude) Faculty of Mathematics and Physics, Charles University, Prague, Czech Rep. |
| 2006 – 2009 | Bc. in Mathematics (summa cum laude) Faculty of Mathematics and Physics, Charles University, Prague, Czech Rep. |

Selected research visits (at least one week long only)

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| 2023 | Aalto University , Finland Research stay — <i>Depth and its computation</i> (with P. Ilmonen, 2 weeks) |
| 2021 | Universität Bonn , Germany (4 months) Trimester program — Hausdorff Research Institute for Mathematics (HIM) <i>The Interplay between High-Dimensional Geometry and Probability</i> Research stay supported by a full HIM fellowship (12 000 €). |
| 2019 | Case Western Reserve University , Dept. of Mathematics, Cleveland, US Research stay — <i>Floating bodies and lift zonoids</i> (with E. M. Werner, 3 weeks) |
| 2018 | Goethe-Universität Frankfurt am Main, Germany Special course — <i>Floating bodies and affine invariants</i> (1 week) |
| 2017 | Université Toulouse – Jean Jaurès , France (2 months) Research stay — <i>Analysis of high-dimensional data</i> (with F. Ferraty) Supported by a Research Foundation - Flanders travel grant (V429617N, 3 000 €) |
| 2016 | Mathematisches Forschungsinstitut Oberwolfach , Germany Oberwolfach Workshop: <i>New Developments in Functional and Highly Multivariate Statistical Methodology</i> (1 week) |
| 2016 | Université Toulouse – Toulouse Mathematics Institute , France (4 months) Research stay — <i>Functional data analysis</i> (with F. Ferraty) Supported by a Research Foundation - Flanders travel grant (V410616N, 7 000 €) |

2012 **Mathematisches Forschungsinstitut Oberwolfach**, Germany
Oberwolfach Seminar: *Statistics for High-Dimensional Data* (1 week)

Grants and selected awards III

2022 Nomination for GAČR president's award in Physical Sciences (GAČR 19-16097Y)
2022 ERS IASC Young Researcher Award, COMPSTAT international conference, Italy
2022 Prize of the *Czech Mathematical Society*
2021 – 2022 French-Czech mobility grant *Programme Barrande* (Principal Investigator) (6 000 €)
2020 *Bernard Bolzano prize in Mathematics*
2018, 2021, 2023 *Progres Q49 prize for best scientific papers in Mathematics* (awarded three times)
2019 – 2021 **Czech Science Foundation research grant** GAČR 19-16097Y
Geometric Methods in Statistics (Principal Investigator) (120 000 €)
2018 – 2021 **Charles University research grant** PRIMUS/17/SCI/03
Advanced Geometric Methods in Statistics (Principal Investigator) (350 000 €)
2018 – 2020 Czech Science Foundation research grant GAČR 18-00522Y — Collaborator
2018 Goethe-Universität Frankfurt am Main travel grant
2016, 2017 COST Action IC1408 trainee travel grant (awarded twice)
2015 Best student talk, PROBASTAT international conference, Slovakia
2013 – 2017 **Research Foundation - Flanders Ph.D. fellowship** — Aspirant (140 000 €)
2013 Best student poster, ICORS international conference, Russia
2012, 2016 Oberwolfach OWLG travel grant (awarded twice)
2011 RSJ Investments prize for the best master thesis in probability and statistics
2010, 2012 Best student talk, ROBUST workshop, Czech Rep. (awarded twice)

Selected invited talks (plenaries in bold) IV

2023 ERCIM Conference on Computational and Methodological Statistics, Berlin, Germany (planned)
2023 TU Dortmund, Germany (statistics seminar, planned)
2023 Universidad Autónoma de Madrid, Spain (statistics seminar, planned)
2023 COMPSTAT Conference on Computational Statistics, London, UK
2023 European Meeting of Statisticians, Warsaw, Poland
2023 **I Joint Workshop on FDA and Nonpar. Stat.**, Miraflores de la Sierra, Spain
2022 Université Libre de Bruxelles, Belgium (statistics seminar)
2022 EPFL Lausanne, Switzerland (statistics seminar)
2022 YoungStatS webinar, YouTube stream
2022 Stat of ML, Prague, Czechia
2022 COMPSTAT Conference on Computational Statistics, Bologna, Italy
2022 Intl. Symposium on Nonparametric Statistics, Paphos, Cyprus
2022 Les 53èmes Journées de Statistique, Lyon, France
2022 Conference of Czech Mathematicians, Ostrava, Czechia
2021 CMStatistics 2021, London, UK
2021 New Bridges between Mathematics and Data Science, Valladolid, Spain
2021 Stochastics Seminar, Heidelberg/Mannheim, Germany
2021 **4EU+ Summer School Modern Probability and its Applications**, Warsaw, Poland
2021 CLADAG Meeting of the Classification and Data Analysis Group, Florence, Italy
2021 **Intl. Workshop on Functional and Operatorial Statistics**, Brno, Czechia
2021 Imperial College London, UK (statistics seminar)
2021 High dimensional measures: Geometric and probabilistic aspects, Bonn, Germany
2021 Universidad Carlos III de Madrid, Spain (statistics seminar)
2020 ENSAE Paris, France (mathematics seminar)
2019 Aalto University, Helsinki, Finland (mathematics seminar)
2019 CLADAG Meeting of the Classification and Data Analysis Group, Cassino, Italy
2019 III Intl. Workshop on Advances in Functional Data Analysis, Castro Urdiales, Spain
2019 CRoNoS Workshop on Multivariate Data Analysis, Limassol, Cyprus
2018 ERCIM Conference on Computational and Methodological Statistics, Pisa, Italy
2018 CRoNoS Workshop on Functional Data Analysis, Iași, Romania
2018 Czech Technical University, Prague, Czech Republic (mathematics seminar)
2018 Workshop on Data Analysis, Kunčice, Czech Republic
2018 Humboldt-Universität zu Berlin, Germany (mathematical statistics seminar)
2018 Workshop on Statistical Depths and Functional Data Analysis, Helsinki, Finland
2018 Masaryk University, Brno, Czech Republic (applied mathematics seminar)

- 2018 Matej Bel University, Banská Bystrica, Slovakia (mathematics seminar)
- 2018 Workshop on statistical depths and functional data analysis, Aalto University, Helsinki, Finland
- 2017 ERCIM Conference on Computational and Methodological Statistics, London, UK
- 2017 **Conference of Slovak Mathematicians**, Jasná pod Chopkom, Slovakia
- 2017 Charles University, Prague, Czech Republic (Noon seminar, Department of Applied Mathematics)
- 2016 CRoNoS Workshop on Functional Data Analysis, Oviedo, Spain
- 2016 Charles University, Prague, Czech Republic (statistics seminar)
- 2016 Workshop on Functional Data Analysis, Les Diablerets, Switzerland
- 2016 Comenius University, Bratislava, Slovakia (mathematics seminar)
- 2016 Université Toulouse, France (statistics seminar, Toulouse Mathematics Institute)
- 2016 Universität Mannheim, Germany (statistics seminar)
- 2016 Spring School *Structural Inference*, Brodten, Germany
- 2016 Oberwolfach Workshop *New Developments in Functional and Highly Multivariate Statistical Methodology*, Oberwolfach, Germany
- 2014 COMPSTAT Conference on Computational Statistics, Geneva, Switzerland

Other professional service

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- **Peer reviewer** for most of the major journals in statistics (87 reviews for 34 journals since 2014)
- **Organiser** of invited sessions at international conferences (CRoNoS 2018 and 2019)
- **(Co)-Editor** of three books of conference proceedings (IWSM 2012 vols. I and II, EYSM 2015)
- **Supervisor** of theses awarded by the Josef Štěpán prize for best bachelor theses of the *Department of Probability and Math. Statistics of CU*
 - Říha, A. (2019). Halfspace median. *Charles University*. 27 pp.
 - Hendrych, F. (2020). Zonoids of measures and applications. *Charles University*. 51 pp.
 - Ranošová, H. (2021). Spherically symmetric measures. *Charles University*. 45 pp.
 - Bočinec, F. (2022). Anderson's theorem. *Charles University*. 42 pp.
 - Mendroš, E. (2023). Simplicial depth. *Charles University*. 48 pp.

Supervision of theses awarded by the RSJ prize for best master theses of the *Department of Probability and Math. Statistics of CU*

- Brabenec, T. (2021). Depth of variance matrices. *Charles University*. 83 pp. First prize.
- Říha, A. (2021). Symmetry of random vectors. *Charles University*. 58 pp. Third prize.