

CURRICULUM VITAE

First Name and Family Name: Sorina-Cezarina Sfetcu

E-mail address: sorina.sfetcu@yahoo.com

Education:

Bachelor's degree: University of Bucharest, Faculty of Mathematics and Computer Science (2012–2015)

Master's degree: University of Bucharest, Faculty of Mathematics and Computer Science (2015–2017)

PhD Student: University of Bucharest, Faculty of Mathematics and Computer Science, Doctoral School of Mathematics, 2017–present

PhD Advisor: Prof. Dr. Vasile Preda

Research Areas: Information Theory, Statistics, Finance, Coding Theory, Machine Learning, Statistical Mechanics

Positions: institutions, years

Risk Analyst: Alpha Bank Romania, 2017-present

Data Analyst: 360Insights, 2016-2017

Scholarships:

Merit scholarship (2013–2017)

Research Scholarship "Anghelescu" (2015–2016)

Foreign Languages: english, spanish

PC skills: C++, Matlab & Simulink, R, Python, Microsoft Office, Microsoft SQL Server

Driving license: B

Talks:

1. **S.-C. Sfetcu**, *Rényi entropy of orthogonal polynomials*, The 19th Conference of the Romanian Society of Probability and Statistics, Bucharest, May 27–28, 2016.

2. **S.-C. Sfetcu**, *Some generalizations of the Kullback-Leibler divergence*, The 22nd Conference of the Romanian Society of Probability and Statistics, Bucharest, May 10–11, 2019.

3. **S.-C. Sfetcu**, *Ordering properties concerning Tsallis quantile entropy*, StatMod2020 - Statistical Modeling with Applications, Bucharest, November 6–7, 2020.

4. **S.-C. Sfetcu**, *Some divergences between probability measures*, Sesiunea de comunicări Matematice, Constanța, December 11, 2021.

5. **S.-C. Sfetcu**, *Inaccuracy measures using copulas*, StatMod2021 - Statistical Modeling with Applications, Rouen, December 3–4, 2021.

Publications:

1. R.-C. Sfetcu, **S.-C. Sfetcu**, V. Preda, *Ordering Awad-Varma entropy and applications to some stochastic models*, Mathematics 9 (2021), 280.
2. **S.-C. Sfetcu**, *Varma quantile entropy order*, Analele Științifice ale Universității Ovidius Constanța 29 (2021), 249-264.
3. R.-C. Sfetcu, **S.-C. Sfetcu**, V. Preda, *On Tsallis and Kaniadakis divergences*, Mathematical Physics, Analysis and Geometry 25 (2022), 23 p.
4. R.-C. Sfetcu, **S.-C. Sfetcu**, V. Preda, *Some generalizations concerning inaccuracy measures*, submitted.
5. R.-C. Sfetcu, **S.-C. Sfetcu**, V. Preda, *Discrete entropies of Chebyshev polynomials*, submitted.