



## Europass Curriculum Vitae



### Personal information

First name(s) / Surname(s)

**CODRUȚA MARE**

Address(es)

-

Telephone(s)

-

Mobile: -

Fax(es)

-

E-mail

[codruta.mare@econ.ubbcluj.ro](mailto:codruta.mare@econ.ubbcluj.ro), [codruta.mare@ubbcluj.ro](mailto:codruta.mare@ubbcluj.ro), [codruta.mare@gmail.com](mailto:codruta.mare@gmail.com),

Nationality

Romanian

Date of birth

Gender

Female

### Desired employment / Occupational field

### Work experience

Dates

27<sup>th</sup> September 2021 - present

Occupation or position held

[University teaching professional - Professor, Department of Statistics-Forecasts-Mathematics](#)

Main activities and responsibilities

Courses and seminars/ labs in: Spatial Econometrics, Economic Forecasting, Regional Statistics, Demography, Econometrics, Statistics for Economists, Descriptive Statistics, etc. (Romanian and English).

Name and address of employer

Babes-Bolyai University, Faculty of Economics and Business Administration  
58-60, Teodor Mihali str., 400591 Cluj-Napoca (Romania)

Type of business or sector

Education

Dates

October 2019 - present

Occupation or position held

[PhD. Coordinator in Cybernetics and Statistics](#)

Main activities and responsibilities

Coordination of PhD. programmes in the field of Cybernetics and Statistics, teaching specific courses for PhD. students (in Romanian and English), etc. in the Economics and Business Administration PhD. School

Name and address of employer

Babes-Bolyai University, Faculty of Economics and Business Administration  
58-60, Teodor Mihali str., 400591 Cluj-Napoca (Romania)

Type of business or sector

Education

Dates

1<sup>st</sup> October 2014 → 26<sup>th</sup> September 2021

Occupation or position held

[University teaching professional - Associate Professor, Department of Statistics-Forecasts-Mathematics](#)

Main activities and responsibilities

I am responsible for teaching courses and seminars (practical parts) in: Spatial Econometrics, Economic Forecasting, Regional Statistics, Demography, Basic Econometrics and Descriptive Statistics and seminars in Inferential Statistics (Romanian and English lines of study).

Name and address of employer

Babes-Bolyai University, Faculty of Economics and Business Administration  
58-60, Teodor Mihali str., 400591 Cluj-Napoca (Romania)

Type of business or sector

Education

Dates

February 2019 → present

Occupation or position held

[Scientific Director](#)

Main activities and responsibilities	Managing aspects related to research and research and publishing the results of the research conducted through the Centre; research and consultancy activities (including training) in data analysis and visualization.
Name and address of employer	Babes-Bolyai University, Interdisciplinary Centre for Data Science 68, Avram Iancu str., 4 <sup>th</sup> floor, 400083, Cluj-Napoca, Romania.
Type of business or sector	Education/ research
Dates	1 <sup>st</sup> October 2012 → 30 <sup>th</sup> September 2014
Occupation or position held	<a href="#">University teaching professional (lecturer/assistant professor), Department of Statistics-Forecasts-Mathematics</a>
Main activities and responsibilities	Responsible for teaching courses and seminars (practical parts) in: Spatial Econometrics, Macroeconomic/ Economic Forecasting, Demography and Descriptive Statistics and seminars in Inferential Statistics and Econometrics.
Name and address of employer	Babes-Bolyai University, Faculty of Economics and Business Administration 58-60, Teodor Mihali str., 400591 Cluj-Napoca (Romania)
Type of business or sector	Education
Dates	23 February 2009 - 30 September 2012
Occupation or position held	<a href="#">University teaching professional (teaching assistant), Department of Statistics-Forecasts-Mathematics</a>
Main activities and responsibilities	Responsible for teaching the seminar/practical part in: Macroeconomic/ Economic Forecasting, Demography, Inferential Statistics, Descriptive Statistics, Econometrics.
Name and address of employer	Babes-Bolyai University, Faculty of Economics and Business Administration 58-60, Teodor Mihali str., 400591 Cluj-Napoca (Romania)
Type of business or sector	Education
Dates	October 2005 - February 2009
Occupation or position held	<a href="#">Associated Teaching Assistant/ Lecturer</a>
Main activities and responsibilities	Responsible for teaching the seminar/practical part for the courses in Econometrics, Descriptive Statistics, Data Analysis
Name and address of employer	Babes-Bolyai University, Faculty of Economics and Business Administration 58-60, Teodor Mihali str., 400591 Cluj-Napoca (Romania)
Type of business or sector	Education
<b>Education and training</b>	
Dates	10 <sup>th</sup> of June, 2019
Title of qualification awarded	<a href="#">Habilitation diploma in Cybernetics and Statistics</a>
Principal subjects/occupational skills covered	Habilitation Thesis <b><i>SPATIAL AND APPLIED ECONOMETRICS IN ECONOMIC BEHAVIOUR AND PROCESSES (ECONOMETRIE SPAȚIALĂ ȘI APLICATĂ ÎN STUDIUL COMPORTAMENTULUI ȘI PROCESELOR ECONOMICE)</i></b>
Name and type of organisation providing education and training	Babes-Bolyai University, National Council for Attestation of University Degrees, Diplomas and Certificates (CNATDCU)
Level in national or international classification	-
Dates	January 2011 – December 2011
Title of qualification awarded	<a href="#">Post-doctoral scholarship</a>
Principal subjects/occupational skills covered	Title of the post-doctoral research <b>MEASURES AND DECISIONS OF ECONOMIC STABILITY FROM THE PERSPECTIVE OF THE EUROPEAN MONETARY UNION</b>
Name and type of organisation providing education and training	Romanian Academy, Cluj-Napoca branch
Level in national or international classification	ISCED 6
Dates	26 April 2010

Title of qualification awarded	PhD. in Economics
Principal subjects/occupational skills covered	The PhD. paper's title: „SCENARIOS AND PROSPECTIVES REGARDING THE EURO INTRODUCTION ON THE ROMANIAN MARKET”
Name and type of organisation providing education and training	International University Institute for European Studies (International University Consortium) 13, via Mazzini, Gorizia (Italy), Università degli Studi di Trieste, Italia
Level in national or international classification	ISCED 6
Dates	March 2007 - March 2010
Title of qualification awarded	PhD. in Economics (Transborder Policies for Daily Life),
Principal subjects/occupational skills covered	Forecasting Techniques, International Economics, Scientific research process, Qualitative research, International relations, Cross-border relations
Name and type of organisation providing education and training	International University Institute for European Studies (International University Consortium) 13, via Mazzini, Gorizia (Italy)
Level in national or international classification	ISCED 6
Dates	October 2006 – June 2007
Title of qualification awarded	Master, Econometrics and Applied Statistics
Principal subjects/occupational skills covered	Data Analysis, Microeconometrics, Financial Econometrics, Scoring Techniques, Market research, Data mining, Qualitative Variables Econometrics, etc.
Name and type of organisation providing education and training	Babes-Bolyai University, Faculty of Economics and Business Administration (University) 58-60, Teodor Mihali str., 400591 Cluj – Napoca (Romania)
Level in national or international classification	ISCED 6
Dates	October 2005 - June 2006
Title of qualification awarded	Master, International Trade
Principal subjects/occupational skills covered	International economics, Models of foreign trade, Economic growth modelling, European economic construction and integration, Etc.
Name and type of organisation providing education and training	Babes-Bolyai University, Faculty of Economics and Business Administration (University) 58-60, Teodor Mihali str., Cluj – Napoca (Romania)
Level in national or international classification	ISCED 6
Dates	October 2001 - June 2005
Title of qualification awarded	Economist, International Transactions
Principal subjects/occupational skills covered	International Transactions, International Economics, European Economic Integration, Commercial Policies, etc.
Name and type of organisation providing education and training	Babes-Bolyai University, Faculty of Economics and Business Administration (University) 58-60, Teodor Mihali str., 400591 Cluj – Napoca (Romania)
Level in national or international classification	ISCED 5
<b>Personal skills and competences</b>	
Mother tongue(s)	Romanian
Other language(s)	
Self-assessment	
European level (*)	
<b>English</b>	C2 Proficient user
<b>Italian</b>	B2 Independent user
<b>French</b>	B1 Independent user
<b>Understanding</b>	
Listening	Reading
C2 Proficient user	C2 Proficient user
B2 Independent user	B2 Independent user
B1 Independent user	B1 Independent user
<b>Speaking</b>	
Spoken interaction	Spoken production
C2 Proficient user	C2 Proficient user
B2 Independent user	B2 Independent user
B1 Independent user	B1 Independent user
<b>Writing</b>	
C2 Proficient user	C2 Proficient user
B2 Independent user	B2 Independent user
B1 Independent user	B1 Independent user
(*) <a href="#">Common European Framework of Reference for Languages</a>	
Social skills and competences	Team spirit, a high capacity to adapt and work in multicultural environments (due to the personal experience accumulated during the PhD. courses abroad, in Italy), good communication skills
Organisational skills and competences	My abilities in this field derive directly from my professional experience; additionally, I was a student representative during my university period.

Technical skills and competences	-
Computer skills and competences	A good knowledge and practice of the econometrics and statistics analysis softwares: GeoDa and GeoDaSpace, SPSS, STATA, SAS, E-VIEWS, ADANCO, R, TABLEAU, Power BI, as well as of the Microsoft Office instruments.
Artistic skills and competences	Dance, music, design and drawing
Other skills and competences	-
Driving licence	B
<b>Additional information</b>	<p>Member of the Spatial Econometrics Association (SEA)</p> <p>Member of the Romanian Statisticians Club</p> <p>Associate Editor at SN Business &amp; Economics, Springer</p> <p>Member of the Reviewers Board – Amfiteatru Economic Journal</p> <p>Country Chair for Romania and Special Session co-chair (ML &amp; AI Developments in Finance together with Daniele Marazzina, Polimi, Italy) – The 6th International Conference on Digital Economy – Emerging Technologies and Business Innovation, July 15-17, 2021, Tallin, Estonia</p> <p>Competitivity grants, UBB, 2020 - 2023</p> <p>Consultant/ trainer – The KPI Institute (Australia, Dubai, Romania) for the course in Data Analysis and Data Visualisation, and consultancy projects that involve Data Analysis procedures.</p> <p>Associated Lecturer of the Romanian Banking Institute for the course in Monetary and Economic Statistics, Cluj area (2012) (National Bank of Romania - Cluj).</p> <p>External trainer S.C OFFICE DEPOT SERVICE CENTER SRL, Cluj-Napoca – deliver of the courses and trainings in Statistics, Forecasting and Data Analysis, 2014-2016.</p> <p>June – August 2011 – courses held for the PhD. and master candidates - International University Institute for European Studies (IUIES) (and not only) in Gorizia, Italy, on the post-doctoral topic (title of course “Aspects Related to Monetary Integration in the European Union”, during the post-doctoral programme “Științele socio-umaniste în contextul evoluției globalizate – dezvoltarea și implementarea programului de studii și cercetare postdoctorală”, POSDRU 61104) and on data analysis and economic forecasting.</p> <p>Reviewer for different national and international journals, including WoS Clarivate Analytics.</p>
<b>Projects (research or consultancy)</b>	<p>Project manager for Babes-Bolyai University, country coordinator for Romania, and WP1 leader “Towards a European Financial Data Space” in the Marie Skłodowska-Curie Action Doctoral Network (WSCA DN) Industrial Doctoral Network on Digital Finance “Digital Finance – Reaching New Frontiers” – “Digital”, CF. no. 101119635, 2024 – 2027</p> <p>Co-coordinator Diversity Team in the Marie Skłodowska-Curie Action Doctoral Network (WSCA DN) Industrial Doctoral Network on Digital Finance “Digital Finance – Reaching New Frontiers” – “Digital”, CF. no. 101119635, 2024 – 2027</p> <p>Senior researcher in the project: <b>A better understanding of socio-economic systems using quantitative methods from Physics</b>, CF no. 760034/ 23.05.2023, code 255/29.11.2022 (August 2023 – June 2026)</p> <p>Grant Award Coordinator (starting 2022), STSMs coordinator (till March 2022) and MC member for Romania in the COST action <b>CA19310 FinAI – Fintech and Artificial Intelligence in Finance – Towards a Transparent Financial Industry</b>, 2020-2024  <a href="https://www.cost.eu/actions/CA19130/#tabs Name:management-committee">https://www.cost.eu/actions/CA19130/#tabs Name:management-committee</a>, <a href="https://fin-ai.eu/">https://fin-ai.eu/</a></p> <p>Project manager: – Virtual Networking Support – “Online - a new way in research - strategy to support CA19130 in the online environment”, April – October 2023, financed by The COST Association through the COST Action CA19130 FinA</p> <p>Project manager: – Virtual Mobility Grant – “Coordination of deliverables and GP2 reports”, 2022, financed by The COST Association through the COST Action CA19130 FinA</p>

Project manager: – Virtual Mobility Grant – "The Fintech Sector in Romania and the Balkans", September – October 2022, financed by The COST Association through the COST Action CA19130 FinA

Project manager: – Virtual Mobility Grant – "Using Machine Learning Techniques to Assess Taxpayers' Perception", 30.09.2021 – 30.10.2021, financed by The COST Association through the COST Action CA19130 FinA

Member in the research project (statistician) (data analysis and visualization) "**Realizare analiză strategică teritorială pentru studierea impactului investiției DP World în loc. Decea, jud. Alba**" (Strategic Territorial Analysis for the Study of the DP World Investment Impact in Decea, Alba county), UBB TechTransfer nr. 584/12.12.2022, December 2022 – May 2023, financed by DP World

Member in the research project: **Intelligent Analysis and Prediction of the Economic and Financial Crime in a Cyber-dominated and Interconnected Business World** (Analiza inteligentă și predicția criminalității economice și financiare într-un mediu de afaceri interconectat cybernetic), PN-III-P4-ID-PCE2020-2174, UBB, FSEGA, financed by UEFISCDI, 2021-2023

<https://fincrime.net/en>

Member in the research project **Determinants of life/health and non-life insurance consumption in European countries. Structural composition of Romanian insurance market in European context: emerging versus developed countries**, PN-III-P1-1.1-TE-2019-0554, contract no TE7, UBB, FSEGA, financed by UEFISCDI, 2020-2022

<http://insurstruct.granturi.ubbcluj.ro/>

Research project manager **Report on the Economy of the City of Cluj-Napoca**, project EcZMC2009-2018, contract no. 626171/42/0.12.2019, 04.12.2019 – 04.04.2020

Research project manager **Work 4.0. The Impact of Automatization and Digitalization upon work in Cluj-Napoca and the Metropolitan Area**, project FoW, Work 4.0, contract U81/28.08.2019, Cluj Cultural Centre through the research and development programme Urban Innovation Division, Cluj Future of Work, Urban Innovative Actions, European Commission

<http://stiintadator.centre.ubbcluj.ro/impactul-automatizarii-si-digitalizarii-asupra-muncii-si-capitalului/>

<https://diviziadeinovare.ro/viitorul-muncii/>

Lecturer of the course *Using Software in Computational Intelligence* and member in the research project ROHU-217, Subsidy contract no. 11056/23.01.2019, **Institutional cooperation in research activities for specialists, training and usage of computational intelligence for fundamental companies financial decisions**, CIFIDE, Lead Partner: University of Oradea - Faculty of Economic Sciences - Department of Finance – Accounting, Project financed through The Interreg V-A Romania-Hungary Programme, August – October 2019

UBB, Advanced Fellowship Internal - project 33PFE/2018, Strategic Infrastructure at the Babeș-Bolyai University in the Context of New and Emerging Technologies Development – 2018-2020, **Methodological Developments for the Intercensal Estimation of the Local Human Development Index (LHDI) in Romania.**

External Consultant of the World Bank – Romania office, starting 2016 (statistical analysis and data modelling, forecasting) – as Statistics Expert for the flagship report Magnet Cities: Migration and Commuting in Romania.

Statistics Expert - In the project **Program Sava d.o.o. – SAVA RIVER MULTI-PURPOSE PROJECT**, Croatia, financed by the European Commission through the IPA 2011 – WBIF – Infrastructure Project Facility – Technical Assistance 3 (EuropeAid/131160/C/SER/MULTI), 2014 – construction of the analysis methodology, training of the participants in the workshop (in respect to statistical analysis of data and to the application of the constructed methodology), sensitivity analysis of results.

Statistics Specialist in the project „**Servicii de elaborare a „Strategiei de Dezvoltare Durabila a Judetului Maramures pentru perioada 2014 - 2020**” (data analysis required for the development of the Long-term Development Strategy of the Maramures county in Romania).

Member in the implementation team of the project **InsurBehav - Study of Romanian Life Insurances in International Context: Innovation, Spatial and Behavioral Modelling; Impact of Institutional Factors**, code PN-II-RU-TE-2014-4-0745, UBB, FSEGA

<http://insurbehav.granturi.ubbcluj.ro/>

Statistician (data analysis) in the project **GECAMET Research Project No. 20170305 Gender Equality and Cultural Awareness in Maritime Education and Training** - 2018.

April - July 2009 - member in the Economic Working Group for establishing the development strategy of the Cluj Metropolitan Area ("The Integrated Development Plan for the Cluj-Napoca Metropolitan Area") - responsible with data analysis and forecasting (statistics and data analysis expert).

Scientific Responsible Expert (Type A Expert) in the project POSDRU/86/1.2/S/64076 „Adaptarea curriculei universitare, de masterat, la cerințele pieței muncii din România în domeniul proiectelor finanțate din fondurile structurale și de coeziune” – data analysis procedures, including spatial analyses, and students' training in the field.

Regional Info-Point Expert in the project POSDRU/41/3.3/G/40317 „Model de armonizare a practicilor în domeniul managementului financiar al proiectelor finanțate prin FSE” – data analysis procedures, including spatial analyses, and students' training in the field.

Long Term Statistics Expert in the project POSDRU/86/1.2/S/53849 " Aplicarea unui sistem de competente coerent cu cel european la nivelul masteratelor in domeniul analizei economice si evaluarii de active si afaceri".

January 2011 - December 2011 – the post-doctoral scholarship; value 48.000 RON. Most important results – an article published in an ISI journal (Baltic Journal of Economics) and the final study published with LAP-LAMBERT Editing House, Germany.