


PERSONAL INFORMATION

ADRIANA ANAMARIA DAVIDESCU



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PROFESSIONAL EXPERIENCE

January 2022-present

Head of Data Science Research Lab with applications in Business and Economics
Bucharest University of Economic Studies, PERFECTIS Project ID 585 "Enhancing Institutional Performance through the Development of Infrastructure and Transdisciplinary Research Ecosystem in the Socio-Economic Field," 42PFE of December 30, 2021.

September 2020-present

Full Professor, Department of Statistics and Econometrics, Faculty of Cybernetics, Statistics and Economic Informatics

- Bucharest University of Economic Studies, Bucharest, 6, Romana Square, 010374, Bucharest, Romania, www.ase.ro
- Teaching activity (courses / seminars of Econometrics , Statistics and Time Series) for bachelor and masters students; coordinating master / bachelor theses
- Research activity

September 2017-present

Senior researcher(expert level I), Department of Education, Training and Labour Market

National Scientific Research Institute for Labour and Social Protection, 6-8, Povernei Street, 010643, Bucharest, Romania, www.incsmpls.ro

- Expertise as labour market specialist, conducting quantitative and analytical research on labour market analysis
- Very good expertise on labour market institutions, estimation of informal economy, analysis, and evaluation of public policies etc.
- Very good expertise in program and public policy impact evaluation.

September 2016-September 2017

Senior researcher(expert level II), Department of Labour Market Policies

National Scientific Research Institute for Labour and Social Protection, 6-8, Povernei Street, 010643, Bucharest, Romania, www.incsmpls.ro

- Expertise as labour market specialist, conducting quantitative and analytical research on labour market analysis
- Conducting individual or collaborative research projects, including the development of personal/group objectives.
- utilisation of advanced tools in multidimensional analysis data using short and medium term anticipation of labour market aggregates through econometric modelling.
- Elaboration of macroeconomics models using advanced econometric methods for forecasting.
- Very good expertise on labour market institutions, estimation of informal economy, analysis and evaluation of public policies etc.
- evaluation of projects and public programs as an expert in quantitative analysis and application of statistical and econometric methods in the process assessment.

March 2017-present

Researcher of think-tank INACO - The Initiative for Competitiveness, Romania, www.inaco.ro

October 2015-Sept 2020

Associate Professor, Department of Statistics and Econometrics, Faculty of Cybernetics, Statistics and Economic Informatics

Bucharest University of Economic Studies, Bucharest, 6, Romana Square, 010374, Bucharest, Romania, www.ase.ro

- Teaching activity (courses / seminars of Econometrics , Statistics and Time Series) for bachelor and masters students; coordinating master / bachelor theses
- Research activity
Education / Research

November 2014-September 2016

Senior researcher, Department of Labour Market Policies

National Scientific Research Institute for Labour and Social Protection, 6-8, Povernei Street, 010643, Bucharest, Romania, www.incsmps.ro

- Expertise as labour market specialist, conducting quantitative and analytical research on labour market institutions (formalization of the informal economy).
- Conducting individual or collaborative research projects, including the development of personal/group objectives.
- Preparing reports and present information to research groups.
- Elaborating articles with a view to publication
- Ability to apply predictive statistical models;
- Using statistical and econometric techniques to identify causal impacts on revenue, examine patterns, model and predict the performance of the main economic aggregates.
- ability to apply advanced statistical methodologies such as mixed model (random and fixed effects), simultaneous equations models, panel data analysis, structural equation models, item response theory, cross-sectional analysis, multinomial discrete choice models, time-series analysis (ARIMA models, VAR/VECM models, ARDL models, causality analysis, SVAR analysis, IRF analysis) multivariate analysis (discriminant analysis, cluster analytics, principal component analysis) sampling theory and design of experiments, analysis of variance.
- utilisation of advanced tools in multidimensional analysis data using short and medium term anticipation of labour market aggregates through econometric modelling
- Elaboration of macroeconomics models using advanced econometric methods for forecasting.
- Very good expertise on labour market analysis and informal economy
- Undertake quantitative and analytical research on the phenomenon of informality
Research

October 2012-October 2015

Lecturer, Department of Statistics and Econometrics, Faculty of Cybernetics, Statistics and Economic Informatics

Bucharest University of Economic Studies, Bucharest, 6, Romana Square, 010374, Bucharest, Romania, www.ase.ro

- Teaching activity (courses / seminars of Econometrics , Statistics and Time Series) for bachelor students; coordinating bachelor theses
- Research activity
Education / Research

December 2009-october 2014

Researcher, Department of Labour Market Policies

National Scientific Research Institute for Labour and Social Protection, 6-8, Povernei Street, 010643, Bucharest, Romania, www.incsmps.ro

- Using statistical and econometric techniques to identify causal impacts on revenue, examine patterns, model and predict the performance of the main economic aggregates.
- ability to apply advanced statistical methodologies such as mixed model (random and fixed effects), simultaneous equations models, panel data analysis, structural equation models, item response theory, cross-sectional analysis, multinomial discrete choice models, time-series analysis (ARIMA models, VAR/VECM models, ARDL models, causality analysis, SVAR analysis, IRF analysis) multivariate analysis (discriminant analysis, cluster analytics, principal component analysis) sampling theory and design of experiments, analysis of variance.
- utilisation of advanced tools in multidimensional analysis data using short- and medium-term anticipation of labour market aggregates through econometric modelling
- Elaboration of macroeconomics models using advanced econometric methods for forecasting.
- Expertise in labour market analysis and informal economy
- Undertake quantitative and analytical research on labour market institutions (formalization of the informal economy)

Research

October 2009-december 2013

Expert in the project Refernet Romania
Elaboration of national VET reports, policy reports, analysis; responsible for VET-BIB database for Romania. Participation in thematic meetings of the REFERNET network.

Research

February 2007-October 2012

Assistant Professor, Department of Statistics and Econometrics, Faculty of Cybernetics, Statistics and Economic Informatics

Bucharest University of Economic Studies, Bucharest, 6, Romana Square, 010374, Bucharest, Romania, www.ase.ro

- Teaching activity (seminars of Econometrics and Statistics) for bachelor students; coordinating bachelor theses
- Research activity
Education / Research

September 2006-November 2009

Research assistant, Department of Labour Market Policies

National Scientific Research Institute for Labour and Social Protection, 6-8, Povernei Street, 010643, Bucharest, Romania, www.incsmps.ro

- Undertaking supervised research (including preparing, setting up, conducting and recording outcomes of projects).
- Conducting literature and database searches and carry out analyses and/or tests and/or critical evaluations using specified and agreed techniques, approaches and/or models and document findings.
- Analysing and interpreting results of the research, making use of standard research methods and techniques (nonparametric tests for hypotheses, nonparametric analysis (lowess, loess, local polynomial smoothing), multivariate tests for normality, time series analysis, linear models, etc).
- Elaborating macroeconomics models using advanced econometric methods for high level accuracy forecasting.
- Contributing to the production of research reports and publications
- Preparing and presenting papers on research progress and outcomes to beneficiaries.

Research

CURRENT POSITION AND WORK EXPERIENCE

BUCHAREST UNIVERSITY OF ECONOMIC STUDIES, PROFESSOR PhD, 16 YEARS

NATIONAL SCIENTIFIC RESEARCH INSTITUTE FOR LABOUR AND SOCIAL PROTECTION, SENIOR RESEARCHER, 17 YEARS

EXPERIENCE IN PROJECT TEAM MANAGEMENT, ACCUMULATED THROUGH EVALUATION PROJECTS

Project Name / Duration of Implementation

Methods and Techniques for Quantifying the Impact of Unemployment Level on the Informal Economy in Romania (2008-2009), CNCSIS, TD 184/2009

Quantifications of the Size of the Hidden Economy, (Period 2009-2011), Ministry of Research and Innovation (Core Program)

Assessment of the Relationship between the Informal Economy and the Formal Economy, 2014, Ministry of Research and Innovation (Core Program)

Quantification and Analysis of Interdependencies between the Formal Economy and the Informal Economy (2014-2015), POSDRU 159/1.5/S/142115, Bucharest University of Economic Studies.

The Impact of Labor Market Institutions on Informality. Micro and Macro Economic Approaches, (2016-2017), Ministry of Research and Innovation (Core Program)

Restart Economica. Measures to Combat the Economic and Social Effects of COVID-19 in Romania (May 2020-August 2020), Government of Romania.

Integrated Development of Institutional Capacity for Scientific Research through Digitalization, Open-Source Promotion, and Research Infrastructure Modernization in the Context of Global Challenges CNFIS-FDI-2021-0372, period June-December 2021.

Implementation of the Evaluation Plan for the Operational Program Competitiveness 2014-2020, Lot 1: Evaluation of POC Interventions in Research-Development-Innovation, contract: no. 16182/26.02.2020, evaluation exercises for 2022 and 2023, Ministry of Investments and European Projects.

Development of Institutional Capability for Scientific Research at the Bucharest University of Economic Studies through Increased Scientific Visibility and Sustainability, Promoting Open Science Practices (OPEN FUTURE) contract: CNFIS-FDI-2022-0472, period May-December 2022.

Analysis of the Impact of Current Uncertainties on the Economic Environment, contract 750/19.05.2022, edition 2022, period June-December 2022.

Development and Promotion of Excellence Research at the Bucharest University of Economic Studies through the Consolidation of RDI Processes, Supporting the Visibility of Results and Impact on the Economic Environment, in the Context of Open Science, CNFIS-FDI-2023-F-0499, period May-December 2023

Analysis of the Sources of Uncertainty in Forecasting the Evolution of the National Economic Environment in the Context of Recent Global Socio-Economic Shocks (INCERTEC 2023), period June-December 2023.

Enhancing Institutional Performance through the Development of Infrastructure and Transdisciplinary Research Ecosystem in the Socio-Economic Field, period (2022-2024), ID 585 PERFECTIS, 42PFE of December 30, 2021, period January 2021-December 2024.

RELEVANT PROFESSIONAL EXPERIENCE ACCUMULATED IN THE FRAMEWORK OF POLICY AND PROGRAM EVALUATION PROJECTS

Project Name / Duration of Implementation

a) Experience in Policy and Program Evaluations

Implementation of the Evaluation Plan for the Human Capital Operational Program 2014-2020. Evaluation of Interventions in the Field of Employment (2019-Ongoing)

Beneficiary/Project Description

Management Authority for the Human Capital Operational Program through Ministry of Investments and European Projects
Support for conducting evaluations in the field of employment as outlined in the Evaluation Plan of the Human Capital Operational Program 2014-2020

Role in the project/Key responsibilities

Expert
Evaluation of POCU 2014-2020 Interventions on their Contribution to the Evolution of National Macroeconomic Indicators using the Leontief Model

Methods of impact evaluation or analysis used	<p>Socio-economic analysis based on secondary data (relevant documents and literature, statistical and administrative data), using:</p> <ul style="list-style-type: none"> - Desk research - Analysis of specialized literature - Time series analysis, longitudinal data - Econometric/statistical methods <p>Impact evaluation of POCU 2014-2020 interventions on their contribution to the evolution of national macroeconomic indicators using the Leontief model.</p>
Project Name / Duration of Implementation	<p>Implementation of the Evaluation Plan for the Operational Program Competitiveness 2014-2020, Lot 1: Evaluation of RDI (Research, Development, and Innovation) Interventions, (2020-ongoing), evaluations exercises 2022 and 2023.</p> <p>Ministry of Investments and European Projects</p> <p>Support for conducting evaluations in the field of research, development, and innovation as outlined in the Evaluation Plan of the Operational Program Competitiveness 2014-2020.</p>
Beneficiary/Project Description	
Role in the project/Key responsibilities	
Methods of impact evaluation or analysis used	<p>Technical Team Leader, key expert</p> <p>Coordination of the team of experts</p> <p>Evaluation of POC 2014-2020 Interventions for Increasing Private Investments in RDI using counterfactual impact evaluation techniques.</p> <p>Evaluation of the Impact of Interventions at the Regional Level using the regional Difference-in-Differences (DID) method.</p> <p>Socio-economic analysis based on secondary data (relevant documents and literature, statistical and administrative data), using:</p> <ul style="list-style-type: none"> - Desk research - Analysis of specialised literature - Counterfactual impact evaluation analysis (Difference-in-Differences method), regional DID. - Econometric/statistical methods - Impact evaluation of POC 2014-2020 interventions for increasing private investments in RDI using the counterfactual impact evaluation method - Difference-in-Differences. <p>Impact evaluation of POC 2014-2020 interventions at the regional level using the regional Difference-in-Differences (DID) method.</p>
Project Name / Duration of Implementation	<p>Implementation of the Evaluation Plan for the Partnership Agreement - Phase 2, Lot 1: Evaluation of the Contribution to Economic, Social, and Territorial Cohesion - Theme A, (2021-ongoing), No. 83996/26.08.2021.</p> <p>Ministry of Investments and European Projects</p> <p>Support for conducting macro-level evaluations of the European Structural and Investment Funds 2014-2020 regarding their contribution to economic, social, and territorial cohesion (Evaluation Theme A)</p>
Beneficiary/Project Description	
Role in the project/Key responsibilities	
Methods of impact evaluation or analysis used	<p>econometric modelling expert</p> <p>Evaluation of the contribution of the ESI Funds to the progress of economic growth and the achievement of national targets related to the Europe 2020 Strategy at the regional level, based on completed and contracted projects.</p> <p>Evaluation of the contribution of the ESI Funds to the reduction of GHG emissions based on the Leontief model</p> <p>Socio-economic analysis based on secondary data (relevant documents and literature, statistical and administrative data), using:</p> <ul style="list-style-type: none"> - Desk research - Analysis of specialized literature - Input-output model for the sectoral interdependencies of the Romanian economy - Econometric/statistical methods - Panel data regression analysis, regularization techniques (lasso method on panel data) - Impact evaluation of the contribution of the ESI Funds to regional economic growth progress based on the lasso method on panel data. - Evaluation of the contribution of the ESI Funds to the reduction of GHG emissions based on the Leontief model
Project Name / Duration of Implementation	<p>ReCONNECT - Adaptation to Change: Integrated Mechanism for Anticipation, Monitoring, Evaluation of the Labour Market and Education, period 2021-ongoing</p> <p>Ministry of Labour and Social Protection</p> <p>Development and implementation of a monitoring mechanism for the integration of graduates from education and vocational training programs</p>
Beneficiary/Project Description	

Role in the project/Key responsibilities	<p>Research Expert - Labor Market Analysis and Relationship with Education</p> <p>Analyzes the dynamics and trends of vocational training in the short and medium term. Analyzes the structural changes in the labour market expected to occur, with implications for education (macroeconomic modelling).</p>
Methods of impact evaluation or analysis used	<p>Socio-economic analysis based on secondary data (relevant documents and literature, statistical and administrative data), using:</p> <ul style="list-style-type: none"> - Desk research - Analysis of specialised literature - Econometric/statistical methods and machine learning techniques - regression analysis and regularisation techniques - Identification and analysis of contextual indicators at national and regional levels for inclusion in the design of the mechanism for monitoring graduates' employment integration.
Project Name / Duration of Implementation	<p>Development of administrative capacity of ANCSI (National Authority for Scientific Research and Innovation) for the implementation of actions established in the National Strategy for Research, Technological Development, and Innovation 2014-2020, period 2016-2020</p>
Beneficiary/Project Description	<p>Ministry of Research and Innovation (POCA Project)</p> <p>Project for the evaluation of economic and social development policies - Evaluation of the impact of the National Strategy for Research, Development, and Innovation SNCDI 2014-2020</p>
Role in the project/Key responsibilities	<p>Expert</p> <p>Development and testing of evaluation methodologies for SNCDI 2014-2020 in the fields of smart specialisation and at the national level.</p> <p>Evaluation of the impact of SNCDI 2014-2020</p>
Methods of impact evaluation or analysis used	<p>Socio-economic analysis based on secondary data (relevant documents and literature, statistical and administrative data), using:</p> <ul style="list-style-type: none"> - Desk research - Literature review - Analysis of cross-sectional, time series, and longitudinal data - Econometric/statistical methods, machine learning techniques - Development of counterfactual impact evaluation methodology - Development of macroeconomic impact evaluation methodology
Project Name / Duration of Implementation	<p>The Service Contract to support the European Platform tackling undeclared work (VC/2016/0589), (January 2017-July 2017)</p>
Beneficiary/Project Description	<p>European Commission</p> <p>Project to evaluate the size of the informal economy at the EU country level</p>
Role in the project/Key responsibilities	<p>Senior Expert</p> <p>Empirical testing of determinants of the informal economy using multilevel models</p> <p>Estimation and analysis of the size of the informal economy at the EU country level</p>
Methods of impact evaluation or analysis used	<p>Socio-economic analysis based on secondary data (relevant documents and literature, statistical and administrative data), using:</p> <ul style="list-style-type: none"> - Desk research - Analysis of specialised literature - Analysis of cross-sectional, time series, and longitudinal data from statistical sources (Eurobarometer) for modelling determinants of the informal economy - Econometric/statistical methods - multilevel logistic regression analysis based on the hierarchical structure. - MIMIC models for estimating the informal economy at the level of EU member states
Project Name / Duration of Implementation	<p>The evaluation of the potential economic and social effects associated with the minimum gross guaranteed wage in Romania and its changes (October - December 2016)</p>
Beneficiary/Project Description	<p>Ministry of Labor and Social Protection</p> <p>Project to evaluate the impact of the minimum wage on the population's standard of living.</p>
Role in the project/Key responsibilities	<p>Senior expert</p> <p>Quantifying the impact of the minimum wage increase on the phenomenon of informality in Romania.</p>

<p>Methods of impact evaluation or analysis used</p>	<p>Socio-economic analysis based on secondary data (relevant documents and literature, statistical and administrative data), using:</p> <ul style="list-style-type: none"> - Desk research - Analysis of specialised literature- - Analysis of data from statistical and administrative sources - Econometric/statistical methods for modelling behaviour, Micro and macroeconomic modelling - Quantifying the impact of the minimum wage increase on informality through the construction and analysis of scenarios regarding the minimum wage policy using econometric models based on time series.
<p>Project Name / Duration of Implementation</p> <p>Beneficiary/Project Description</p>	<p>Evaluation of the effects of active measures on reducing unemployment and increasing employment (2014-2015)</p> <p>Ministry of Labor, Family, Social Protection and Elderly (Sectoral Plan)</p> <p>Project for evaluating active employment measures in Romania aimed at reducing unemployment and increasing employment</p>
<p>Role in the project/Key responsibilities</p>	<p>Researcher</p> <p>Evaluation of the impact of active measures at the micro and macroeconomic levels</p>
<p>Methods of impact evaluation or analysis used</p>	<p>Socio-economic analysis based on secondary data (relevant documents and literature, statistical and administrative data), using:</p> <ul style="list-style-type: none"> - Desk research - Analysis of specialized literature - Analysis of cross-sectional, time series, and longitudinal data from statistical sources (AMIGO) and administrative sources (ANOFM) - Econometric/statistical methods for behavior modeling, Micro and macroeconomic modelling
<p>Project Name / Duration of Implementation</p> <p>Beneficiary/Project Description</p>	<p>System of measures for increasing employment focused on the rural population, period 2013-2015</p> <p>Ministry of Labor, Family, Social Protection and Elderly (Sectoral Plan)</p> <p>Project for evaluating measures to increase employment focused on the rural population</p>
<p>Role in the project/Key responsibilities</p>	<p>Researcher</p> <p>Ex-ante evaluation of the effects of employment growth measures in rural areas using econometric models.</p>
<p>Methods of impact evaluation or analysis used</p>	<p>Socio-economic analysis based on secondary data (relevant documents and literature, statistical and administrative data), using:</p> <ul style="list-style-type: none"> - Desk research - Literature review - Cross-sectional and time series data analysis - Econometric/statistical methods -ex-ante evaluation of employment growth measures in rural areas - Counterfactual impact evaluation of employment growth measures using: - Propensity score matching (PSM) method.
<p>Project Name / Duration of Implementation</p> <p>Beneficiary/Project Description</p>	<p>Evaluation of policies and measures to encourage active aging, period 2014-2015</p> <p>Ministry of Labor, Family, Social Protection and Elderly(Sectorial Plan)</p> <p>Project for the evaluation of policies and measures to encourage active aging</p>
<p>Role in the project/Key responsibilities</p>	<p>Researcher</p> <p>Identifying measures/policies targeting active aging with transferability potential in Romania using techniques such as principal component analysis and cluster analysis</p> <p>Quantifying and analysing the ex-post impact of measures aimed at supporting older people on employment and unemployment among older workers using econometric techniques.</p> <p>Conducting ex-ante evaluation of the proposed measures' impact on increasing the employment rate of older workers, including the financial impact using simulation techniques</p> <p>Providing the foundation for strategies and policies in the field of active aging</p> <p>Designing an ex-ante and ex-post evaluation tool for active aging measures.</p>

<p>Methods of impact evaluation or analysis used</p>	<p>Socio-economic analysis based on secondary data (relevant documents and literature, statistical and administrative data), using:</p> <ul style="list-style-type: none"> - Desk research - Analysis of specialized literature - Cross-sectional and time series data analysis - Econometric/statistical methods - Regression analysis for ex-ante and ex-post evaluation of active aging measures - Counterfactual evaluation of the impact of policies and measures promoting active aging, through: - Constructing counterfactual scenarios (in the absence of policy changes)
<p>Project Name / Duration of Implementation</p> <p>Beneficiary/Project Description</p> <p>Role in the project/Key responsibilities</p>	<p>The evaluation of the relationship between the informal economy and the formal economy 2014</p> <p>Ministry of Research and Innovation (Nucleus Program)</p> <p>Analysis and quantification of the relationship between the informal economy and the formal economy</p> <p>Project Manager</p> <p>Estimating the size of Romania's informal economy</p> <p>Assessing the bidirectional relationship between the formal economy and the informal economy in Romania</p>
<p>Methods of impact evaluation or analysis used</p>	<p>Socio-economic analysis based on secondary data (relevant documents and specialized literature, statistical and administrative data), using:</p> <ul style="list-style-type: none"> - Desk research - Analysis of specialized literature - Time series data analysis - Econometric/statistical methods for modeling the bidirectional relationship between the two phenomena
<p>Project Name / Duration of Implementation</p> <p>Beneficiary/Project Description</p> <p>Role in the project/Key responsibilities</p>	<p>The impact of labor market institutions on informality. Micro and macroeconomic approaches, period 2016-2017</p> <p>Ministry of Research and Innovation (Core Program)</p> <p>Quantification and analysis of the impact of labor market institutions on informality. Micro and macroeconomic approaches</p> <p>Project Manager</p> <p>Estimation of the size of the informal economy as a percentage of official GDP using methods (monetary, structural equation models, etc.) based on complex econometric models.</p> <p>Estimation and analysis of the impact of labor market institutions on the informal economy using complex econometric models.</p> <p>Development of policy proposals for reducing the informal economy, taking into account its relationship with labor market institutions.</p>
<p>Methods of impact evaluation or analysis used</p>	<p>Socio-economic analysis based on secondary data (relevant documents and literature, statistical and administrative data), using:</p> <ul style="list-style-type: none"> - Desk research - Analysis of specialized literature - Analysis of time series data - Econometric/statistical methods for modeling the impact of labor market institutions on the phenomenon of informality - Development of scenarios for quantifying the impact.
<p>Project Name / Duration of Implementation</p> <p>Beneficiary/Project Description</p> <p>Role in the project/Key responsibilities</p>	<p>Quantification and analysis of the interdependencies between the formal economy and the informal economy, period 2014-2015, POSDRU 159/1.5/S/142115</p> <p>Bucharest University of Economic Studies</p> <p>Analysis of the interdependencies between the formal economy and the informal economy.</p> <p>Project Director</p> <p>Development of a methodology for estimating the size of the informal economy</p> <p>Development of a methodology for investigating the impact of the informal economy on the formal economy and vice versa</p> <p>Econometric estimation of the size of the informal economy</p> <p>Evaluation of the impact of the formal economy on the informal economy</p>

Methods of impact evaluation or analysis used	or Socio-economic analysis based on secondary data (relevant documents and literature, statistical and administrative data), using: <ul style="list-style-type: none"> - Desk research - Analysis of specialized literature - Analysis of time series data - Econometric/statistical methods to model the impact of the formal economy on the informal economy, as well as the impact of the informal economy on the formal economy - Development of scenarios for quantifying the impact.
Project Name / Duration of Implementation	Methods and techniques for quantifying the impact of unemployment on the informal economy in Romania, period 2008-2009
Beneficiary/Project Description	CNCSIS, TD 184/2009 Evaluation of the impact of unemployment on the informal economy in Romania
Role in the project/Key responsibilities	Project Director Development of the methodology for estimating the size of the informal economy Development of the impact methodology Econometric estimation of the size of the informal economy Evaluation of the impact of unemployment on the informal economy
Methods of impact evaluation or analysis used	or Socio-economic analysis based on secondary data (relevant documents and literature, statistical and administrative data), using: <ul style="list-style-type: none"> - Desk research - Analysis of specialised literature - Analysis of time series data - Econometric/statistical methods to model the impact of unemployment on the informal economy - Development of scenarios for quantifying the impact.
Project Name / Duration of Implementation	Quantifications of the size of the hidden economy (period 2009-2011)
Beneficiary/Project Description	Ministry of Research and Innovation (Nucleus Program)
Role in the project/Key responsibilities	Project Manager Impact of determinants of the hidden economy on economic growth Estimation of the size of the hidden economy
Methods of impact evaluation or analysis used	or Socio-economic analysis based on secondary data (relevant documents and literature, statistical and administrative data), using: <ul style="list-style-type: none"> - Desk research - Analysis of specialized literature - Analysis of time series data - Econometric/statistical methods - Structural Equation Modeling (SEM) models to assess the impact of key determinants of the hidden economy on economic growth within an integrated model for estimating the size of the hidden economy.
Project Name / Duration of Implementation	Institutional development of ASE in the field of excellence research through support for advanced research, innovation, and visibility to enhance competitiveness in the European research space (ECON_X, CNFIS-FDI-2020 0217) (May 2020-December 2020).
Beneficiary/Project Description	Ministry of Education and Research Support for excellence research at ASE to enhance institutional capacity in developing and implementing research activities through the preparation of the institutional framework for accessing new funding programs under HORIZON EUROPE and the creation of a "pyramid" of research visibility at ASE, including the development of an excellence research portal.
Role in the project/Key responsibilities	Expert Quantification and analysis of the impact of promotion and research projects at ASE have led to excellent research using advanced quantitative techniques.
Methods of impact evaluation or analysis used	Socio-economic analysis based on secondary data (relevant documents and literature, statistical and administrative data), using the following methods: <ul style="list-style-type: none"> - Desk research - Literature review - Cross-sectional data analysis - Text mining analysis on research project titles - Econometric/statistical methods - to evaluate the impact of promotion and research projects - Conducting a counterfactual evaluation of the impact of promotion and research projects using the Difference-in-Differences (DID) method.

Project Name / Duration of Implementation	Integrated development of institutional capacity for scientific research through digitalization, open-source promotion, and modernization of research infrastructure in the context of global challenges (CNFIS-FDI-2021-0372), June-December 2021
Beneficiary/Project Description	Ministry of Education and Research. The project aims to develop the institutional capacity for research within ASE through new methods of digitalization, open-source valorization and promotion of R&D results, and the creation of support actions for all researchers within ASE, enhancing the institutional capacity to participate in R&D activities under EU framework programs.
Role in the project/Key responsibilities	Team Coordinator. Evaluation of the quality of scientific outputs of ASE faculty during the pandemic period (2020-2021) using bibliometric analysis. Assessment of the impact of COVID-19 and the paradigm shift in excellence research.
Methods of impact evaluation or analysis used	Socio-economic analysis based on secondary data (relevant documents and literature), using the following methods: <ul style="list-style-type: none"> - Desk research - Literature review - Bibliometric and text mining analyses.
Project Name / Duration of Implementation	Development of institutional capacity for scientific research at the Bucharest University of Economic Studies through increased scientific visibility and sustainability, promoting open science practices (OPEN FUTURE) contract: CNFIS-FDI-2022-0472, May-December 2022.
Beneficiary/Project Description	Ministry of Education and Research. The project aims to enhance the institutional development of ASE through support activities for scientific research (R&D), focusing on ensuring the sustainability and relevance of multidisciplinary research projects by implementing open science practices in line with national policies for higher education development and the research strategy of ASE.
Role in the project/Key responsibilities	Team Coordinator. Analysis of the quality of scientific research within the economic, academic environment in Romania - bibliometric analysis and text mining analysis, to highlight the conceptual, intellectual, and social structure of excellence research among faculty members within the Universitaria Consortium. This analysis will provide a comprehensive picture of the economic research field and the quality of publications, while identifying potential future directions for European research.
Methods of impact evaluation or analysis used	Socio-economic analysis based on secondary data (relevant documents and literature), using the following methods: <ul style="list-style-type: none"> - Desk research - Literature review - Bibliometric and text mining analyses.
Project Name / Duration of Implementation	Analysis of the impact of current uncertainties on the economic environment, 750/19.05.2022 edition 2022, June-December 2022.
Beneficiary/Project Description	In-depth multidisciplinary studies on the Romanian economy to analyze the impact of current uncertainties on the economic and social environment. The main effects of these uncertainties will be identified, along with strategic and tactical approaches to minimize the negative effects of these disruptions.
Role in the project/Key responsibilities	Team Coordinator. Evaluation of the current state of the Romanian economy and highlighting prospects based on various scenarios constructed within an input-output model that considers periods of uncertainty that the economy goes through: Evaluation of the current state of the Romanian economy through formalisation and estimation of an input-output model. Highlighting prospects for the evolution of the Romanian economy by constructing alternative scenarios. Recommendations for the development of national investment strategies and policies.
Methods of impact evaluation or analysis used	Socio-economic analysis based on secondary data (relevant documents and literature), using the following methods: <ul style="list-style-type: none"> - Desk research - Literature review - Development of the Leontief model for the Romanian economy and scenario construction.

Project Name / Duration of Implementation	Analysis of sources of uncertainty regarding the forecast of the national economic environment in the context of recent global socio-economic shocks (INCERTEC 2023), period June-December 2023.
Beneficiary/Project Description	In-depth multidisciplinary studies on the Romanian economy to analyse the impact of current uncertainties on the economic and social environment.
Role in the project/Key responsibilities	Team Coordinator Analysis of the relationship between the informal economy and key macroeconomic variables such as economic growth, inflation, and unemployment to understand its impact on the national economy and develop economic policies that support the development of the formal sector and reduce the size of the informal economy in the context of global socio-economic uncertainties.
Methods of impact evaluation or analysis used	Socio-economic analysis based on secondary data (relevant documents and specialised literature), using the following methods: <ul style="list-style-type: none"> - Desk research - Analysis of specialised literature - Development of an econometric model for liquidity demand based on panel data using machine learning techniques
Project Name / Duration of Implementation	Development and promotion of research excellence at ASE through strengthening R&D processes, support for result visibility, and impact on the economic environment, in the context of Open Science. Contract: CNFIS-FDI-2023-F-0499, period: May-December 2023.
Beneficiary/Project Description	Ministry of Education and Research Support for scientific research excellence, stimulation of its innovative character, and institutional development at the ASE level, consolidating the university's top position in the economic field in Romania.
Role in the project/Key responsibilities	Team Coordinator BUES's institutional visibility is enhanced by evaluating the scientific publications' quality of BUES faculty members, exclusively from national collaborations, using bibliometric analysis combined with text mining.
Methods of impact evaluation or analysis used	Socio-economic analysis based on secondary data (relevant documents and specialised literature), using the following methods: <ul style="list-style-type: none"> - Desk research - Analysis of specialised literature - Bibliometric and text mining analyses.
Project Name / Duration of Implementation	Enhancing institutional performance through the development of infrastructure and the ecosystem of transdisciplinary research excellence in the socio-economic field, period (2022-2024), ID 585 PERFECTIS, 42PFE of 30.12.2021, January 2021-December 2024
Beneficiary/Project Description	Bucharest University of Economic Studies The project aims to modernise the Bucharest University of Economic Studies research infrastructure by creating four laboratories for information and communication technology, heritage and cultural identity, new and emerging technologies, energy, environment, and climate change. This will be achieved by attracting young researchers to conduct research activities in these laboratories and publishing scientific articles in internationally recognised journals.
Role in the project/Key responsibilities	Head of Data Science Research Lab with applications in Business and Economics stimulate excellence in research within the Bucharest University of Economic Studies by building modern infrastructure and involving young individuals with studies or internships at renowned universities to utilise the infrastructure created by the project.
b) Experience in projects with the business environment	
Project Name / Duration of Implementation	Developing the Business Environment Index for Romania, editions 2021, 2022, 2023.
Beneficiary/Project Description	Bucharest University of Economic Studies Developing an early warning instrument by highlighting economic trends based on the responses of a representative sample of company managers.

Role in the project/Key responsibilities	Senior Technical Expert The development of this business environment barometer represents a reference point for both the business community and public policy decision-makers, highlighting the impact of the academic environment on society. This barometer is a scientific instrument that quantitatively and qualitatively measures information from the Romanian business environment and can be a useful tool for companies operating in Romania, potential investors, and government institutions responsible for developing and monitoring economic policies and supporting the business environment.
Project Name / Duration of Implementation	Analysis of the impact of the new European directive on the taxation of tobacco products on Romanian consumers, the tobacco market, and the stability of budget revenues in Romania, January 2023-May 2023
Beneficiary/Project Description	British American Tobacco Romania Analysis of the impact of the new European directive on the taxation of tobacco products on Romanian consumers, the tobacco market, and the stability of budget revenues in Romania.
Role in the project/Key responsibilities	Expert The influence of the tobacco sector on the Romanian economy. Analysis of input-output based on the Leontief model. The impact of reducing the volumes of tobacco products sold on the Romanian market on the Romanian economy. Impact on GDP and employment.
Project Name / Duration of Implementation	Analysing the skilling/ reskilling challenges and active employment policies needed to ensure a just energy transition, in Galati County, February 2023-May 2023.
Beneficiary/Project Description	Friedrich Ebert Foundation Romania Within the context of the analytical and policy work performed by the Friedrich Ebert Foundation Romania on the just energy transition in 2023, the foundation wants to focus on analysing the skilling/ reskilling challenges and active employment policies needed to ensure a just energy transition, with a focus on the county of Galați, one of the regions that will receive support as part of the Just Transition Mechanism
Role in the project/Key responsibilities	Labor market economist Analysing the main characteristics of the local labour market in Galati County

EDUCATION AND TRAINING

December 2019	Habilitation Certificate in the field of doctoral studies in Cybernetics and Statistics, order 5474, dated December 4, 2019. The Bucharest University of Economic Studies, Romania Thesis title: Contributions regarding the application of statistical and econometric methods in determining the impact of informality on the socio-economic development in Romania	
18-22 January 2016	Trainer Certificate Extreme Training	
18 May 2015-18 July 2015	Visiting professor, Postdoctoral Mobility stage at the University of Salerno, Salerno, Italy	8 EQF level
June 2014-September 2015	Supervisor: Roberto Dell'Anno, PhD., Professor. Postdoctoral researcher, Bucharest University of Economic Studies, Romania Postdoctoral researcher in project number POSDRU/159/1.5/S/142115 „Performance and excellence in doctoral and postdoctoral research in Romanian economics science domain” Title of postdoctoral research: QUANTIFYING AND ANALYSING THE INTERDEPENDENCIES BETWEEN FORMAL AND INFORMAL ECONOMIES 1st Prize for outstanding results in postdoctoral scientific research	8 EQF level
October 2006-July 2011	PhD Diploma in Cybernetics and Statistics, Bucharest University of Economic Studies, Romania	8 EQF level

- October 2006-March 2008 **Master Diploma in Quantitative Economics, Bucharest University of Economic Studies, Romania** 7 EQF level
 Title of Doctoral Thesis „Methods and Techniques for assessment of unemployment impact on informal economy in Romania “
 Title of Master Thesis "The Main Methods to Estimate the Size of the Shadow Economy"
- October 2002-August 2006 **Bachelor Diploma in Economic Cybernetics, Bucharest University of Economic Studies, Romania** 6 EQF level
 Title of Bachelor Thesis „ Scenarios of unemployment rate evolution during the period 2006-2009"

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C1	C1	C1
Replace with name of language certificate. Enter level if known.					
French	B2	B2	B1	B1	B1
Replace with name of language certificate. Enter level if known.					

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
 Common European Framework of Reference for Languages

Communication skills

- excellent presentation and communication skills gained through my experience as an academic teacher since 2007.
- Communication skills in diverse environments (university, public institutions, civil society);

Organisational / managerial skills

- Leadership (gained through participation in research projects as project manager, partner or member in the research team)

Job-related skills

- background in the field of data science methods and techniques, macro econometrics and micro econometrics, time series analysis
- Macroeconomic analysis and forecasting
- Quantitative and Qualitative analysis
- Predictive analysis
- Expertise in employment policy, labour market analysis and informal economy as well as program and public policy impact evaluation
- Undertake quantitative and analytical research on formalization of the informal economy
- Develop project design, review proposals, formulate, revise and submit project proposal)

Computer skills

- good command of Microsoft Office™ tools
- Expertise in handling statistical and econometric software (R, STATA, Eviews)

ADDITIONAL INFORMATION

Linkedin profile:

<https://www.linkedin.com/in/adriana-anamaria-davidescu-alexandru-1b2a8264/>

- Publications**
 - 3 books as a sole author
 - 5 books in collaboration
 - 9 chapters in international publishers: Springer and Routledge
 - Over 60 articles published in ISI or BDI journals, including 11 articles published in ISI Core Economics journals with non-zero AIS and 6 articles in ISI journals with AIS greater than 0.15
- Conferences**
 - Over 25 studies presented/published at international conferences held in Romania or abroad
 - Participation in over 32 national and international conferences, including 18 organised in Romania (Bucharest, Oradea, Iasi, Targu-Jiu, Sibiu, Timisoara, Targoviste) and 14 abroad (Thessaloniki, Milan, Kavala, Crete, London, Brussels, Gran Canaria, Corfu, Munster, Prague, Rome).
- Projects**
 - Over 50 national and international projects.
- Distinctions**
 - Diploma of Excellence for debut in scientific research activity from the Romanian Statistical Society
 - First Prize for outstanding achievements in postdoctoral activity
- Affiliations**
 - Reviewer for the following journals: Sustainability, Statistical Romanian Review, Journal of Social and Economic Statistics, Energies, Systems, IEEE-Access, Journal of Economic Studies;
 - Member of the European correspondents' network Eurofound 2014-2018 - European correspondents Eurofound, The European Foundation for the Improvement of Living and Working Conditions (Eurofound) Romania;
 - Member of the Romanian Statistical Society;
 - Moderator of the Power from Statistics Eurostat Round Table on Migration, October 24, 2016, Bratislava, Slovakia.
- Courses**
 - Semi-Parametric Methods Course, Essex Summer School in Social Science Data Analysis and Collection, University of Essex, 4-8 August 2008, Colchester, U.K.
 - Discrete Models Choice, Barcelona Microeconometrics Summer School, Barcelona Graduate School of Economics, Universidad Pompeu Frava, 30 June-4 July 2008, Barcelona, Spain.
 - Medium-term forecast of skills supply in Europe: final results, Skill net Technical Workshop, Cambridge Econometrics, European Centre of the Development of Vocational Training, 11-12 December 2008, St.Catharine's College, and Cambridge, U.K.
 - The Fourth International Training Workshop on Econometric Modeling and Data Analysis, Akdeniz University, Faculty of Economics and Administrative, February 08-12, 2010, Antalya, Turkey.
 - Workshop on Latent Variable Models with Applications in Social Sciences, Department of Statistics, London School of Economics, UK, 9th December 2010.
 - Marie Curie/IAPP Summer School for Multiple Moralities and Shadow Economies in Post-socialism, Zagreb, Croatia 29 August-1 September 2015.
 - Marie Curie IAPP Summer School for Shadow economies in Europe and Beyond: Debating the causes and impacts of the informal economy, 2-4 September 2016 --- Sofia, Bulgaria;
 - IRVAPP WINTER SCHOOL 2017 - Fundamentals and Methods for Impact Evaluation of Public Policies, 13-18 February 2017, Venezia, Italy, IRVAPP - The Research Institute for the Evaluation of Public Policies - Trento, Italy, <https://irvapp.fbk.eu/irvapp-winter-school-2017-fundamentals-and-methods-impact-evaluation-public-policies>;
 - MFx: Macroeconometric Forecasting Course of International Monetary Fund, November 2016, edX, [verified Certificate for Macroeconometric Forecasting, https://courses.edx.org/certificates/fe3ab8add9b4b0f8aef722d46fe1da2](https://courses.edx.org/certificates/fe3ab8add9b4b0f8aef722d46fe1da2);
 - The Education, Scholarships, Apprenticeships and Youth Entrepreneurship Programme- EEA Grants 2014-2021, Project No: 18-COP-0032, Project Title: School of Knowledge Production and Transfer for Global Economy and Governance, Certificate of attendance Short-term transnational mobility activities, March 27th -April 1st, 2022, Reykjavik University, Reykjavik, Iceland
 - The Education, Scholarships, Apprenticeships and Youth Entrepreneurship Programme- EEA Grants 2014-2021, Project No: 20-COP-0043, Project Title: Moving towards the new normal in digital education – New dimension of human capital in higher education (NewDigiEdu), Certificate of attendance Transnational project meetings, February 13th- 16th, 2023, University of Iceland, Reykjavik, Iceland.