CURRICULUM VITAE

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Education:

- 2008: PhD in Sociology at the University of Bucharest; thesis topic: "Using Data Archives for Comparative Analysis", supervised by prof.univ.dr. Cătălin Zamfir.
- 1998: MA at the University of Bucharest, Department of Sociology, with "The private pension system, a compulsory alternative for the Romanian PAYG pension system"
- 1997: BA at the University of Bucharest, Department of Sociology, with "Personnel evaluation and promotion. A practical study on McDonald's Romania System"

Employment history:

- Since 2001: RODA – Romanian Social Data Archive.
  Current position: President.
- Since 2002: University of Bucharest, Department of Sociology.
  Current position: Full Professor.
- 1998-2002: Researcher at the ICCV - Institute for Quality of Life Research, Romanian Academy of Sciences.

Teaching experience:

- Currently teaching: *Descriptive social statistics*, *Inferential social statistics* (undergraduate level), *Advanced social statistics* (MA level)
- Former classes: *Measurement theory in sociology*, *Sociology of transition*.

Professional activity:

- Since 2018: National Coordinator of the European Social Survey in Romania, a pan-European priority research infrastructure present on the ESFRI roadmap (European Strategy Forum for Research Infrastructures), under the section "Landmark Projects"

- Since 2016: member of CRIC - Romanian Committee for Research Infrastructures

- Since 2002: Survey methodology trainer and consultant for multiple market research companies in Romania

- 2012-2015: coordinator of the University of Bucharest team in the *DwB – Data without Boundaries* project, funded by the FP7 - the Seventh Framework Programme of the European Commission

- 2012-2014: Principal Investigator for the project *IT system to identify, archive and disseminate databases and indicators in the social sciences*, funded by the Romanian Ministry of Research, Sectoral Plan, project no. 5S / 2012.

- 2011-2013: Chair, Social and Cultural Innovation Strategy Working Group at ESFRI – European Strategy Forum for Research Infrastructures

- 2010-2013: Executive Board member, CESSDA – Council of European Social Science Data Archives, Secretary position.

- 2009-2010: responsible for the national report on science in society, for the *Monitoring Policy and Research Activities on Science in Society in Europe* (MASIS) project funded through FP6 – the Sixth Framework Programme of the European Commission

- 2008-2013: Romanian delegate to ESFRI

- 2007-2012: Steering Committee member for the QMSS2 project (Quantitative Methods for Social Sciences) from the ESF (European Science Foundation).

- 2008-2011: project manager, *Class structure and social stratification in present-day Romania. Implications for public policies, cultural and political marketing*, coordinated by the University of Bucharest, in a partnership with Babeș-Bolyai University from Cluj Napoca, University of Oradea and CURS – Center for Urban and Regional Sociology.

- 2008-2010: Work Package leader, *CESSDA-PPP* project funded through the FP6 – the Sixth Framework Programme of the European Commission

- 2008: member in the National Coordination Group for the ESS (European Social Survey) in Romania, wave 4

- 2007: member of CRIC - Romanian Committee for Research Infrastructures

- 2003: consultant for the National Audiovisual Council regarding TV audience measurement
- 2002: Contract with CASPIS – The Government Commission on Poverty Alleviation and Promotion of Social Inclusion (February 2002), for statistical analysis on INS (National Statistics Institute) data: AIG, AMIGO, ACOVI, ASAN, Transition from school to work
- 2000-2003: Project Director, implemented the *Romanian Social Data Archive* project, funded through INFOSOC program
- September 1999 - March 2000: researcher for the project *Evaluation of the social assistance system in Romania*, ordered by the Ministry of Labor and Social Protection, financed by World Bank
- 1999-2000: coordinator for the market research department at Exmarket Global Pharma, a pharmaceutical research company

Conferences and Workshop presentations:
- December 2021: presentation at the 9th International QCA Expert Workshop, Zurich, Switzerland, paper "Categorical QCA"
- December 2019: presentation at the 7th International QCA Expert Workshop, Zurich, Switzerland, paper "Mechanics of (conjunctural) directional expectations"
- May 2019: presentation at the 2nd International QCA Summer Workshop, Antwerp, Belgium, paper "DNF minimizations and CDEs - Conjunctural Directional Expectations"
- November 2018: presentation at the 6th International QCA Expert Workshop, Zurich, Switzerland, paper "Software developments in the R package QCA"
- June 2018: presentation at the annual conference at the QCA workshop of the IACMR – International Association for Chinese Management Research, Wuhan, China, paper "Clash of systems: minimization vs. falsification in QCA"
- May 2018: presentation at the International QCA Summer Workshop, Wuppertal, Germany, paper "Clash of systems: minimization vs. falsification in QCA",
- April 2018: presentation at the international QCA workshop at the University of Cologne, Germany, paper "Arbitrary correctness in QCA"
- February 2018: presentation at the workshop Political Science Methods: New Frontiers in quantitative and qualitative approaches, Milan, Italy, paper "Configurational Analysis beyond the Quine-McCluskey algorithm"

- December 2017: presentation at the 5th International QCA Expert Workshop, Zurich, Switzerland, paper "Consistency Cubes"
- December 2016: presentation at the 4th International QCA Expert Workshop, Zurich, Switzerland, paper "QCA package in R: state of the art with an overview of the GUI"
- December 2015: presentation at the 3rd International QCA Expert Workshop, Zurich, Switzerland, paper "A modern user interface for QCA using R"
- June 2015: presentation at the 2015 annual IASSIST conference, Minneapolis, USA.
- December 2014: presentation at the EDDI - 6th Annual European DDI User Conference, London, UK
- November 2014: presentation at the 2nd International QCA Expert Workshop, Zurich, Switzerland, paper "Sensitivity diagnostics for measurement error and missing data in QCA: A mathematical approach"
- October 2014: presentation at the workshop "Facilitating Process and Metadata-Driven Automation in the Social, Economic, and Behavioural Sciences with the Data Documentation Initiative (DDI)", Schloss Dagstuhl - Leibniz Center for Informatics, Wadern, Germany
- September 2013: Keynote speaker at the international conference "Horizons for Social Science and Humanities", Vilnius, Lithuania
- April 2013: Keynote speaker at the "EUB-2013 International Conference - Ecological University of Bucharest", Romania
- November 2012: Keynote speaker at the "Second Annual Conference of the Balkan Sociological Forum. Close but Unknown Neighbors: Balkan Sociological Perspectives", Sofia, Bulgaria
- June 2012: Chair, parallel session II of the international conference "Socio-economic relevance of research infrastructures", Hamburg, Germany
- May 2012: keynote speaker at the international conference "Research Data infrastructures in the Social Sciences", Berlin, Germany
- March 2012: presentation at the international conference "Research Infrastructures for Cultural Heritage and Global Change", Bruxelles, Belgium
- December 2009: attended the international conference "Research Infrastructures and their Structuring Dimension within the European Research Area", Paris, France

- March 2008: participation to the international conference "Research Infrastructures and their Structuring Dimension within the European Research Area", Brdo, Slovenia
- September 2007: presentation of the Romanian comparative datasets at the international conference "Sociological Surveys of Public Opinion in South-East Europe", Cluj, Romania
- November 2005: presentation about QCA using R at COMPASSS intimate seminar, Louvain-la-Neuve, Belgium
- September 2004: attended the International Conference "Applied Statistics", Ljubljana/Slovenia
- September 2003: *Preparing social data for secondary analysis* presented on the second national congress of the Romanian Sociology Association, Oradea, Romania;
- December 2002: attended the "International Conference for Social Sciences and Social Policy in the 21st century", Vienna, Austria
- September 2002: organizer of the CESSDA Expert Seminar and the international joint EDAN-CESSDA DDI Workshop, Bucharest, Romania
- since 2002: annual business meeting of CESSDA directors (Council of European Social Science Data Archives), Ljubljana, Slovenia
- February 2002: *A data archive potential in Romania*, presented at the international workshop "Social Science Data Archives in Eastern Europe – Results, Potentials and Prospects of the Archival Development", Berlin, Germany

Scholarships and fellowships:
- September 2013: Visiting Fellow at the Center for Security Studies, Zurich, Switzerland (grant financed by the Swiss Science Foundation)
- September-December 2005: Visiting Fellow at COMPASSS, University of Louvain-la-Neuve, Belgium
- November 2004: "Choosing and comparing poverty lines" course, WBI – World Bank Institute
- June-August 2002: statistical summer school organized by the University of Michigan, Ann Arbor, Michigan, U.S.A., following an Open Society Foundation scholarship
- March-April 2001: Visiting fellow at GESIS-ZA – Zentralarchiv für Empirische Sozialforschung – Universität zu Köln, for data management training

- March 2001: GESIS-ZA Spring Seminar "Analysis of Categorical Data and Discrete Choices"
- September 2000-February 2001: Visiting Fellow at the University of Essex and UK Data Archive, UK for a training program in data management and archiving

Publications:

- Gao, C.H.; Chen, C.; Akyol, T.; Dușa, A.; Yu, G.; Cao, B.; Cai, P. (2024) "ggVennDiagram: Intuitive Venn diagram software extended", iMeta, DOI: 10.1002/imt2.177
- Dușa, A. and Marx A. (2023) "Comment to: 'Case-to-Factor Ratios and Model Specification in Qualitative Comparative Analysis (QCA)'", in Field Methods, DOI: 10.1177/1525822X231159462
- Dușa, A. (2021) "Comparative Analysis Using Boolean Algebra", in Atkinson et al *SAGE Research Methods Foundations*, DOI: 10.4135/9781526421036889598
- Dușa, A. (2020) "Set Theoretic Methods", in Curini and Franzese, *The SAGE Handbook of Research Methods in Political Science and International Relations*, pp.1097-1116
- Hossu, A.; Iojă, I.C.; Pătroescu, M.; Dusa, A.; Hersperger, A.M. (2019) "Dispute Resolution and Collaborative Decision-Making: What Accounts for Their Effectiveness? The Case of Romania", Sustainability 11(24), pp.7072 DOI: 10.3390/su11247072
- Dușa, A. (2019) "Critical Tension: Sufficiency and Parsimony in QCA", Sociological Methods & Research, DOI: 10.1177/0049124119882456
- Dușa, A. (2019) *QCA with R. A Comprehensive Resource*, Springer International Publishing
- Dușa, A. (2018) "Consistency Cubes: a fast, efficient method for exact Boolean minimization", R Journal vol.10(2), pp. 357-370, DOI: 10.32614/RJ-2018-080
- Marin, A. et al (2018) *Romanian National Roadmap of Research Infrastructures*, DOI: 10.13140/RG.2.2.26038.19520
- Thiem, A.; Spöhel, R.; Dușa, A. (2016) "Enhancing Sensitivity Diagnostics for Qualitative Comparative Analysis: A Combinatorial Approach", Political Analysis 24(1), pp.104-120
- Dușa et all (2015) *R cu aplicații în statistică*. University of Bucharest

- Dușa, A.; Thiem, A. (2015) "Enhancing the Minimization of Boolean and Multivalue Output Functions With eQMC", Journal of Mathematical Sociology, vol.39 pp.92-108

- Dușa, A. (2014) *Elemente de analiză comparativă*, Tritonic

- Dușa, A.; Oellers, C.; Wolff, S. (2014) "A common agenda for the European Research Infrastructures in the Social Sciences and Humanities", in Dușa, A. et all (2014) *Facing the Future. European Research Infrastructures for the Humanities and Social Sciences*. Scivero Verlag, Germany

- Dușa, A.; Nelle, D.; Stock, G.; Wagner, G. (2014) *Facing the Future. European Research Infrastructures for the Humanities and Social Sciences*. Scivero Verlag, Germany

- Thiem, A.; Dușa, A. (2013) "QCA: A Package for Qualitative Comparative Analysis", in The R Journal, vol.5(1), pp.87-97

- Thiem, A.; Dușa, A. (2013) "Boolean minimization in social science research: A Review of Current Software for Qualitative Comparative Analysis (QCA)", in Social Science Computer Review, vol.31(4), pp.505-521

- Thiem, A.; Dușa, A. (2013) *Qualitative Comparative Analysis with R. A user's guide*, Springer

- Thiem, A.; Dușa, A. (2012) "Introducing the QCA package: A market analysis and software review", in Qualitative and Multi-Method Research vol. 10, no. 2, pp. 45-49

- Marx, A.; Dușa, A. (2011) "Crisp-Set Qualitative Comparative Analysis (csQCA), Contradictions and Consistency Benchmarks for Model Specification", în Methodological Innovations Online vol.6(2), pp.97-142

- Dușa, A.; Frunzaru, V. (2011) "Scala analog-vizuală. O alternativă la scala de răspuns de tip Likert", in International Review of Social Research, vol.1(1), pp.91-103

- Dușa, A. (2010) "A mathematical approach to the boolean minimization problem", Quality & Quantity vol.44, no.1, pp.99-113

- Vlăsceanu, L.; Dușa, A.; Rughiniș, C. (eds. 2010) *Știință și societate. Interese și percepții ale publicului privind cercetarea științifică și rezultatele cercetării*, University of Bucharest

- Toma, S.; Dușa, A.; Anton, A.; Ianole, R.; Dinescu, R. (2008) *Asigurarea calității în învățământul superior*, University of Bucharest

- Dușa, A. (2007) "User manual for the QCA(GUI) package", in Journal of Business Research 60(5), pp. 576-586

- Toma, A.; Dușa, A.; Anton, A. (2007) *Proceduri administrative ale Universității din București*, University of Bucharest

- Dușa, A. (2006) "QCA – Qualitative Comparative Analysis. Aplicații, instrumente și potențial", Romanian Sociology, IV(2)

- Toma, A.; Dușa, A.; Anton, A. (2006) *Ghid de redactare a raportului de autoevaluare*, University of Bucharest

- Dușa, A. (ed. 2005) *Students' Opinion Barometer*, Ars Docendi

- Dușa, A. (2003) "Pregătirea datelor pentru analiza secundară". In Zamfir, E. et al (eds.) *Starea societății românești*, University of Oradea

- Preda, M. et al (2003) *Aspecte privind dezvoltarea, populația și sănătatea reproducerii la nivel național și studii de caz*, UNFPA.

- Dușa, A. (2003) "Créer des services de données dans des démocraties nouvelles : expériences d'une étude de cas et d'exemples voisins" în Revue Internationale des Sciences Sociales 177(3), pp. 451-455, DOI: 10.3917/riss.177.0451

- Dușa, A. (2003) "Creating data services in new democracies. Experiences from a case study and related neighbors", International Social Science Journal 177(55), pp. 401-405, DOI: 10.1111/j.1468-2451.2003.05503005.x

- Dușa, A.; Nițulescu, D.; Dan, M. (2003) "De la date disparate la o arhivă națională de date sociale", în *Calitatea Vieții*, nr.1, Romanian Academy.

- Dușa, A. (2002) "A data archive for social sciences in Romania" in Hausstein, B. and de Guchteneire, P. (eds.) *Social Science Data Archives in Eastern Europe – Results, Potentials and Prospects of the Archival Development*, E. Ferger Verlag, UNESCO

- Dușa, A. (2001) "A data archive for social sciences in Romania" in IASSIST Quarterly, vol.25, (http://www.iassistdata.org/publications/iq/iqvol25.html)

Computer skills:
- Statistical packages: R, SPSS, Stata;
- Text processors: Microsoft Word, OpenOffice Word Processor;
- Text editors: Markdown/bookdown, LaTeX, Adobe Acrobat;
- Graphics and presentations: OpenOffice Presentation, Power Point, GIMP;
- Vector graphics: Inkscape;
- Spreadsheets: OpenOffice Spreadsheet, Microsoft Excel;
- Data bases: MySQL, OpenOffice Base, Microsoft Access;
- Programming languages: R, C, Javascript, Visual Basic;

- Web publishing: HTML, CSS.

Software packages in R:

- **QCA** – Qualitative Comparative Analysis, a novel methodological approach in between the quantitative and qualitative approaches, using Boolean algebra as a case comparing instrument:

  https://cran.r-project.org/web/packages/QCA/index.html

- **venn** – Draw Venn Diagrams, a package that is able to draw such diagrams up to seven sets, including any combination of intersections and / or set unions

  https://cran.r-project.org/web/packages/venn/index.html

- **DDIwR** – DDI with R, a package that allows using the Data Documentation Initiative standard, version 2.5. It contains functions to automatically write SPSS, SAS, Stata and R syntax files based on a metadata documentation database, and it makes it possible to convert from one software package to another using DDI as an intermediate platform:

  https://cran.r-project.org/web/packages/DDIwR/index.html

- **admisc** – Miscellaneous Functions, used interchangeably by all previous three packages:

  https://cran.r-project.org/web/packages/admisc/index.html

- **declared** – a package to properly declare missing values in R, containing dedicated companion functions to calculate various weighted versions of the base R commands:

  https://cran.r-project.org/web/packages/declared/index.html