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Curriculum vitae

PERSONAL INFORMATION

assoc. prof. Aleksandar Naydenov, PhD

📍 Sofia, Bulgaria

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in https://www.linkedin.com/in/alexander-naidenov-ph-d-32649860

WORK EXPERIENCE

05/2006–Present

Professor (assoc. prof. since 2017)
University of National and World Economy, Sofia (Bulgaria)

- Teaching basic and advanced statistics & econometrics

09/2014–01/2016

Head of Department
National Statistical Institute, Sofia (Bulgaria)

- Methodology development and consultations;
- Survey data analysis;
- Statistical trainings organization;
- Organization and coordination of the activities on quality in statistics;
- Statistical software implementation.

05/2006–04/2013

Statistician
Market LINKS ltd., Sofia (Bulgaria)

- International survey methodology development;
- Data processing;
- Online survey questionnaire design;
- Sampling design;
- Advanced statistical analysis techniques application.

12/2002–04/2006

Expert
National Statistical Institute, Sofia (Bulgaria)

- Labour Force Survey;
- Survey methodology development and implementation;
- Interviewer staff training;
- Data processing and adjustment (weighting and calibration);
- Small area estimation;
- Basic and advanced analyses.

EDUCATION AND TRAINING

2005–2009

Ph.D. in Statistics and Demographics
University of National and World Economy, Sofia (Bulgaria)

PhD Thesis: 'Small area estimation of unemployment in Bulgaria'

2002–2004	**Master's degree in Statistics and Econometrics**
	University of National and World Economy, Sofia (Bulgaria)

1998–2002	**Bachelor's degree in Statistics and Econometrics**
	University of National and World Economy, Sofia (Bulgaria)

PERSONAL SKILLS

Mother tongue(s)   Bulgarian

Other language(s)

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
C2	C2	C2	C2	C2

English row: Listening C2, Reading C2, Spoken interaction C2, Spoken production C2, Writing C2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Communication skills   Good communication skills gained through international working groups participation and university professorship and trainings.

Organisational / managerial skills   Good organizational and managerial skills. Ability to lead teams and groups.

Job-related skills
- Solid theoretical background and excellent practical skills in Statistics;
- Teaching skills in basic & advanced statistics (incl. sampling design), econometrics and statistical software;
- Organization and conduction of seminars with international expert groups;
- Practical experience in methodology development (incl. sampling design, small area estimation, etc.), organization and conducting (incl. data processing, adjustment and analysis) of statistical, social and marketing surveys;
- Participation in international projects (e.g. Life in transition, European Value Study, European Social Survey, etc.);
- On-line survey design (incl. questionnaire programming) and management;
- High proficiency with computer software for statistical analysis.

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Digital competences - Self-assessment grid

Microsoft Office™ (Word™, Excel™ and PowerPoint™); OpenOffice; Visual Basic for Applications; Statistical software (IBM SPSS, IBM SPSS Amos, R, Demetra+, ECOTRIM, g-CALIB); Online tools for data collection (EFS Panel, Lime Survey).

Driving licence	AM, B

ADDITIONAL INFORMATION

Selected projects
- 'Poverty Mapping in Bulgaria', 2004;
- 'National Disability Study in Bulgaria', 2004;
- Impact of Higher Education Reform in LABOUR Market Performance of Youth in Balkan Countries', 2005-2006;
- 'Improving Labour Force Survey Quality', 2006-2007;
- 'Implementation of Wave Approach in LFS', 2006-2007;
- 'Implementation of Online Tools for Social and Market Surveys', 2007-2008;
- 'European Values Study', 2007-2008;
- 'Labour Force Survey data calibration', 2007-2009;
- 'Life in Transition', 2010;
- 'Small and medium enterprise access to EU funding', 2011;
- 'Monthly estimates of Bulgarian LFS unemployment rates', 2012;
- 'European Health and Social Integration Survey', 2012-2013;
- 'Development and implementation of key indicators system for process-based management in UNWE', 2014;
- 'Building a system for the forecasting of the demand for labour force with specific characteristics', MLSP, 2014-2015;
- 'Statistical comparative study of structure and dynamics of key macroeconomic indicators of EU countries', UNWE, 2013-2016;
- 'Data collection for sub-national statistics: Labour market areas', NSI, 2015;
- 'Horizontal and vertical integration: Application of technical and statistical standards in ESS', NSI, 2015-2017;
- 'Design and estimation of advanced model for risk estimation in leasing', SBS, 2016;
- 'Client evaluation study', Vialtis, 2017;
- Assessment of the Impact of the Analytical Activities of InteliAgro and the Center for Agricultural Policy Analysis at the Institute of Agricultural Economics, AFB, 2018;
- 'Price statistics - Objective 2: Adapting the sampling and compilation methodologies of the HICP to the challenges of the digital economy and Objective 3: Improvement of quality adjustment methods for the HICP.', NSI, 2018-2019;
- 'SO Assistant', UNWE, 2019;
- 'Survey of the employers' needs for labour force with certain characteristics 2019' – Wave 1 and 2, EA, 2019;
- 'Students' practices', UNWE, 2020;
- 'Online budget calculator', Bulgaria Wants You, 2020;
- 'Survey of the employers' needs for labour force with certain characteristics 2020' – Wave 1 and 2, EA, 2020;
- 'Preparation of analysis and proposals for community social services and integrated services in support of the process of deinstitutionalization of long-term care', Five Consult, 2020;
- 'Statistical review of the tariff for determination of the amount of the remuneration of the authors due to the wireless broadcasting and cable transmission of music by television organizations', MusicAuthor, 2020;
- ' Assessment of the effectiveness, efficiency and impact of the measures for promotion of the social

economy, financed under the OPHRD 2007-2013 and the OPHRD 2014-2020', Five Consult, 2020-2021;

▪ 'Research and analysis of e-government and digital administrative services in the Republic of Bulgaria', UNWE, 2020-2023.

Trainings participation
▪ 'Introduction to European Statistical System', Sofia, NSI, 2003;

▪ 'Sampling techniques', Sofia, NSI, 2004;

▪ 'Labour Force Survey in Germany, study-visit ', Wiesbaden, Germany, 2005;

▪ 'Using regression estimates in SILC', Sofia, NSI, 2006;

▪ 'On-line tools for data collection and interviewing', Sofia, Market LINKS ltd., 2007;

▪ 'Using interactive methods and tools for educational purposes', Sofia, UNWE, 2014;

▪ 'Training course on Statistical Disclosure Control', Eurostat, Luxembourg, 2015;

▪ 'Training course on Introduction to SAS', Sofia, NSI, 2015.

Selected publications
▪ 'Lifelong Learning in Bulgaria' (in Bulgarian), Sofia, 2004-2006 (co-author);

▪ 'Employment and Unemployment' (in Bulgarian), quarterly and annual publication, 2nd quarter 2003 - 4th quarter 2005 (co-author);

▪ 'Regional Aspects of Unemployment Study in Bulgaria' (in Bulgarian), 2006;

▪ 'Small area estimation on unemployment in Bulgarian municipalities – experimental results' (in English), June 2009;

▪ 'Sources of Income Inequality: Empirical Evidence from Bulgaria', 2010 (co-author);

▪ 'Approaches for monthly estimates of the unemployment rates using data from Bulgarian LFS' (in Bulgarian), Statistika, 2014;

▪ 'Social-economic factors' influence on the Contemporary Bulgarian Human Values – Experimental Results', Economic Alternatives, 2015;

▪ 'Possible improvements of methods and approaches for statistical disclosure control' (in Bulgarian), Economic and social alternatives, 2016;

▪ 'Cauterization of EU countries by Gross Value Added, number of employed persons and GVA growth components' (in Bulgarian), Economic and social alternatives, 2016;

▪ 'Contemporary methods for statistical disclosure control' (in Bulgarian), Economic thought, 2016;

▪ 'Systematization and comparative analysis of the situation of state universities in Bulgaria: Challenges for successful reform' (in Bulgarian), VON-KNSB, 2017 (co-author);

▪ 'Diagnostic possibilities of PET vs CT in the staging of children and adolescents with Hodgkin's lymphoma' (in Bulgarian), Haematology, 2018 (co-author);

▪ 'Sanitation and hygiene as factors for choosing a place to stay: perceptions of the Bulgarian tourists', Anatolia, DOI: 10.1080/13032917.2020.1771742, 2020, (co-author);

▪ 'Agile Elastic Desktop Corporate Architecture for Big Data', Cybernetics and Information Technologies, DOI: 10.2478/cait-2020-0025, 2020, (co-author);

Conference proceedings
▪ 'Small Area Estimation Problems' (in Bulgarian), September 2006;

▪ 'Quality of Small Area Estimates' (in Bulgarian), September 2007;

▪ 'On-line Tools for Statistical Research' (in Bulgarian), September 2010;

▪ 'Using PC tablets for Data Collection' (in Bulgarian), September 2011;

▪ 'Using Software Tools for Estimation of Unemployment Rates in Bulgaria – Software Review', October 2012;

▪ 'Six Sigma Concept – Seeking Perfection' (in Bulgarian), October 2013;

- 'Using SPSS for Process Quality Control – A Critical Review', December 2013;

- 'Utilizing the Study of the Social-Economic Factors Influence on the Contemporary Bulgarian Human Values by the Use of IBM SPSS Amos Software', October 2014;

- 'Application of μ-ARGUS τ-ARGUS in the process of statistical disclosure control' (in Bulgarian), 2015;

- 'Forecasting Bulgarian Unemployment Rates Using R software', 2016;

- 'Applying the National Process Metadata Structure to the Bulgarian Labour Force Survey data production process', 2017;

- 'Possibilities for comparative analysis of CAPI and PAPI data collection approaches' (in Bulgarian), 2017;

- 'Teaching Statistics – Approach Upgrade is Needed', October 2018;

- 'Importance of the European Statistics Competition for enhancing statistical literacy in Bulgaria', June 2019.

Books

- Textbook 'Statistical methods for quality control' (in Bulgarian), Sofia, 2014;

- Monography 'Statistical study of the social-economic factor impact on the human values of the contemporary Bulgarians' (in Bulgarian), Sofia, 2015;

- Monography 'Statistical comparative study of structure and dynamics of key macroeconomic indicators of EU countries' (in Bulgarian), Sofia, 2016 (co-author);

- Monography 'Modern aspects of practical training of the students' (in Bulgarian), Sofia, 2019 (co-author);

- Textbook 'Econometrics' (in Bulgarian), Sofia, 2020 (co-author);

- Textbook 'Introduction to survey sampling' (in Bulgarian), Sofia, 2021.

Courses leaded

- Introduction to Statistics (in Bulgarian, English and Russian);

- Econometrics (in Bulgarian and English);

- Advanced Statistics (in Bulgarian);

- Statistical methods for quality control (in Bulgarian);

- Introduction to survey sampling (in Bulgarian, English and Russian);

- Introduction to SPSS (in Bulgarian and English);

- SPSS - an advanced course on data analysis (in Bulgarian);

- Using SPSS for sampling design and estimation (in Bulgarian and English);

- Application of MS Excel for statistical analysis (in Bulgarian and English);

- On-line statistical surveys (in Bulgarian).