

PERSONAL INFORMATION

FAHIR KANLIC, MA



-  Muhameda Hadzijahica 59, Sarajevo, 71000, Bosnia and Herzegovina
-  +387 33 911 946  +387 61 360 759
-  fahir.kanlic@bhas.gov.ba fahir.kanlic@gmail.com
-  www.bhas.gov.ba
-  fahirkanlic2017@outlook.com

WORK EXPERIENCE

- September 2023 – currently Part-Time Lecturer
 Courses: *Business Intelligence; Fundamentals of Data Science*
 Faculty for Engineering and Natural Sciences, International University of Sarajevo
International University of Sarajevo, Hrasnička cesta 15, 71000 Sarajevo, <https://www.ius.edu.ba/en/people/fahir-kanlic>
- September 2023 – currently Part-Time Lecturer
 Course: *Artificial Intelligence in Business*
 Faculty of Economics and Social Sciences, Management of Information Technologies Master Programme, International Burch University
International Burch University, Francuske revolucije bb, 71000 Sarajevo, <https://www.ibu.edu.ba/>
- June 2014 – currently Head of Department for Industry, Construction Statistics, Science, Technology and Innovations Statistics, Business Statistics Sector
Agency for statistics of Bosnia and Herzegovina, Zelenih beretki 26, 71000 Sarajevo, www.bhas.gov.ba
- *In charge for planning, organising and conducting statistical surveys (enterprise and household-based surveys), production and dissemination of official statistics data for Industry, Construction, Science, Technology and Innovations Statistics for Bosnia and Herzegovina, in accordance with EU regulations (development of questionnaires, sample selection, data collection, data processing, data dissemination, quality and metadata reporting);*
 - *Work on implementation of relevant methodologies recommended by Eurostat, UN and other relevant organizations; coordination of all activities in process of implementation of harmonized methodology between the state and the entity's statistical institutions in Bosnia and Herzegovina (B&H);*
 - *Work on use of administrative data sources for production of official statistics indicators for Bosnia and Herzegovina*
 - *Broad theoretical and practical experience in conducting quantitative and qualitative statistical surveys: sample selection, questionnaire design, data collection process, data editing, imputation and analysis, compilation of indicators, calculation of weighting structure, grossing-up procedures, data dissemination;*
 - *Back casting and re-basing of short-term time series for business statistics;*
 - *Seasonal adjustment of time series by using JDemetra+ software*
 - *Preparation of quality and metadata reports in line with ESS guidelines;*
Other experiences and responsibilities:
 - *Time series analysis and econometric modelling*
 - *Responsible for implementation of new classifications and nomenclatures for regular production of business statistics indicators (NACE; PRODCOM List, CPA, etc.);*

- Experience in conducting Population and Housing Census (i.e. B&H's Population and Housing Census as methodologist and controller)
- STS Coordinator for Bosnia and Herzegovina in Eurostat's Working Group for Short-Term Statistics domain
- PRODCOM statistics Coordinator for Bosnia and Herzegovina in Eurostat's Working Group for Short-Term Statistics domain;
- Component coordinator in the following projects for development of Short-Term Statistics in BiH: IPA 2008 Twinning Project implemented by Statistics Denmark, GIZ Project for development of Business statistics in BiH implemented by Croatian Bureau of Statistics, IPA 2012 Multi-beneficiary Project, IPA 2012 Twinning Project implemented by Statistics Denmark, IPA 2014 Multi-beneficiary Project, IPA 2015 Multi-beneficiary Project, IPA 2015 Twinning Project implemented by Statistics Denmark and partner institutions, IPA 2017 and IPA 2019 Multi – beneficiary Projects.

Business or sector National Statistical Institute- Production of official statistics

July 2012 –
June 2014

Senior Officer in Department for Industry and Construction Statistics, Business Statistics Sector

Agency for statistics of Bosnia and Herzegovina, Zelenih beretki 26, 71000 Sarajevo, www.bhas.gov.ba

- Redesign of existing STS surveys for Industry and Construction statistics;
- Preparation and work in all phases of the survey conducting (questionnaire design, data collection process, data editing and imputations, data processing, compilation and dissemination of results); regular production of STS indicators

Business or sector National Statistical Institution - Production of official statistics

May 2010 –
June 2012

Junior Officer in Department for Industry and Construction Statistics, Business Statistics Sector

Agency for statistics of Bosnia and Herzegovina, Zelenih beretki 26, 71000 Sarajevo, www.bhas.gov.ba

- Work on conducting Short-Term Statistics (STS) surveys for Industry and Construction statistics, Trade statistics;
- Preparation and work in all phases of the survey conducting (questionnaire design, data collection process, data editing and imputations, data processing, compilation and dissemination of results); regular production of STS indicators

Business or sector National Statistical Institution - Production of official statistics

February
2012 – June
2015

Teaching assistant on the courses "Statistics"

Faculty of Political Sciences, University of Sarajevo, University of Sarajevo, Skenderija 72, 71000 Sarajevo, Bosnia and Herzegovina, www.fpn.unsa.ba

- preparation of weekly lessons and exams for the students
- facilitating weekly lessons
- preparation and distribution of learning materials

Business or sector Education

November
2008 –
November

Teaching assistant on courses "Statistics in economics and management" and "Business statistics"

- 2012 **The School of Economics and Business of Sarajevo, University of Sarajevo, Trg Alije Izetbegovića 1, 71000 Sarajevo, Bosnia and Herzegovina, www.efsa.unsa.ba**
- preparation of weekly lessons and exams for the students
 - facilitating weekly lessons
 - preparation and distribution of learning materials
- Business or sector Education
- June 2009 – December 2009 Financial analyst and controller for Bosnia and Herzegovina
Bauerfeind d.o.o. Sarajevo, Bauerfeind AG Germany, www.bauerfeind.ba
- budget preparation (monthly, semi-annually, annually)
 - financial reporting
 - budget vs. realization reports
 - analysis of historical data
- Business or sector Finance, Industry, Trade
- November 2008 – March 2009 Audit Associate - internship
PriceWaterHouseCoopers BiH, 71000 Sarajevo, Fra Anđela Zvizdovića 1, www.pwc.ba
- Understand, evaluate and test the design and operation of accounting and internal systems, offering recommendation for any weaknesses noted
 - performing substantive testing on balance sheet and income statements sections
 - provide timely feedback to senior and manager
- Business or sector Audit and accounting

SPECIFIC EXPERT'S EXPERIENCE

- April 2023- December 2023 Development of predictive credit risk models (application and behavioural)
ERSTE GROUP, Sparkasse Bank Skopje, North Macedonia, Vasil Iljoski 14, North Macedonia, <https://sparkasse.mk/>
- June 2023- October 2023 USAID Project "SNAGA LOKALNOG": "Use of data for socio-economic development", Activity: "Industrial development of local communities in Bosnia and Herzegovina"
Snaga lokalnog, Marka Marulića 2, Sarajevo, 71000, www.snagalokalnog.ba
- April 2023- September 2023 USAID Project "SNAGA LOKALNOG": "Use of data for socio-economic development", Activity: "Mapping of available administrative data sources and administrative registers in Bosnia and Herzegovina"
Snaga lokalnog, Marka Marulića 2, Sarajevo, 71000, www.snagalokalnog.ba
- 1st May 2017- 24th May 2017 Non-Key Expert (18 expert's days)
Technical Assistance to the Central Administration of Statistics (CAS) in Lebanon, ENPI/2016/372-657: Component: 1.1. Producers Price Index in Construction Sector ICON-INTITUT Public Sector GmbH, Von-Groote-Str. 28, 50968 COLOGNE, GERMANY, <https://hp.icon-institute.de/>

EDUCATION AND TRAINING

- October 2021- in progress PhD candidate - Faculty of Economic and Social Sciences, Department of Management
International Burch University, Francuske revolucije bb, Ilidza, Sarajevo, 71210, www.ibu.edu.ba
- October 2021- October 2022 Master of Artificial Intelligence for Public Services (AI4GOV)
Thesis title: "Comprehensive analysis of current situation and future implementation of AI solutions in Bosnia and Herzegovina – Application in public procurement"
Universidad Politécnica de Madrid (UPM) Spain, Politecnico di Milano (PoliMi) Italy, Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU) Germany, Tallinn University of Technology (TalTech) Estonia, <https://ai4gov-master.eu/>
- October 2010 - February 2021 Master of Management (MA), major in Banking and Insurance
Thesis title: "Seasonal Adjustment and Forecasting of Industrial Production Index in Bosnia and Herzegovina by using econometric models"
The School of Economics and Business of Sarajevo, University of Sarajevo, Trg Alije Izetbegovića 1, 71000 Sarajevo, Bosnia and Herzegovina, www.efsa.unsa.ba
- 2004 - 2008 Bachelor of Economics
Thesis title: "Comparative poverty analysis for Bosnia and Herzegovina"
The School of Economics and Business of Sarajevo, University of Sarajevo, Trg Alije Izetbegovića 1, 71000 Sarajevo, Bosnia and Herzegovina, www.efsa.unsa.ba

TRAINING

- November 2021 – in progress Monitoring & Evaluation training
The Evaluators' Institute (TEI), Claremont Graduate University (CGU), the School of Economic and Business, University of Sarajevo (SEBS), supported by MEASURE II/USAID project
- 1st September – 1st December 2015 Professional practice: "Time series analysis and econometric modelling"
Central Statistical Office of Poland, Statistical Office in Rzeszow, Mathematical and Statistical Division, financed by Eurostat through IPA 2012 MBP
- June 2010 Certified Accountant
Association of accountants, auditors and financial professionals of FBiH, Sarajevo,

PROFESIONAL SKILLS

- Mother tongue(s) Bosnian

Other language(s)
English
German

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
C1	C1	C1	C1	C1
A2	A2	A2	A2	A2

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user

Common European Framework of Reference for Languages

Communication skills

Excellent verbal and written communication skills gained through experience as teaching assistant (lecturer) and as statistician through daily contacts with colleagues from domestic and international statistical offices and institutes, faculties and other organizations

Organisational / managerial skills

- Great organisational skills (currently responsible for a team of 6 people)
- Able to delegate appropriate work, review of work done within defined deadlines
- Good prioritizing skills
- Able to motivate and lead others in a project team environment
- Team player

Computer skills

- Microsoft Office™ tools: Excel, Word, PowerPoint, Outlook, Access, Microsoft PowerBI
- Tableau
- SPSS, EViews, Stata, JDemetra+, Python, R software

Driving licence

B category

ADDITIONAL INFORMATION

Publications

- **Methodological guidelines for calculation of:** Industrial Production Index, Methodological Guidelines for Construction Producer Price Index, Methodological Guidelines for Issued Building Permits, Agency for statistics of BiH, www.bhas.gov.ba
- **Nomenclature of industrial products for Bosnia and Herzegovina (NIP BiH), annual updates based on EU PRODCOM List,** https://bhas.gov.ba/data/Publikacije/Metodologije/IND_00_2021_MD_1_BS.pdf (last update for 2021 reference year)
- **Industrial production in BiH (annual publications starting from 2010 reference year, last published for 2021 reference year),** Agency for statistics of BiH, https://bhas.gov.ba/data/Publikacije/Bilteni/2022/IND_00_2021_TB_1_BS.pdf

Papers

T-1 (PEER REVIEWED JOURNALS)

- Ademir Abdic, Emina Resic, Adem Abdic, Fahir Kanlic, **Modelling and forecasting GDP in Bosnia and Herzegovina using ARIMA models,** Sarajevo Business and Economics Review, December 2019, Vol. 37, https://www.efsa.unsa.ba/ef/sites/default/files/zbornik_37_2019.pdf
- Fahir Kanlić, Ademir Abdić, **The short-term turnover estimates in Bosnia and Herzegovina based on the VAT data,** Croatian Review of Economic, Business and Social Statistics (CREBSS), Vol.4 No.2, November 2018, UDK: 33;519,2; DOI: 10.1515/CREBSS; ISSN 1849-8531 (Print); ISSN 2459-5616 (Online), <https://hrcak.srce.hr/209778>
- Fahir Kanlic, **Academic and Official Statistics Collaboration: Experiences from Bosnia and Herzegovina,** 4th International Researchers, Statisticians and

Young Statisticians Congress, Izmir, Turkey, 28 – 30 April 2018,
<http://www.irsysc2018.com/abs.pdf>

- Fahir Kanlić, Ademir Abdić, Adem Abdić, **Sampling and stratified sampling allocation techniques**, Sarajevo Business and Economics Review (SBER) (32/2012), p. 285 - 300
<http://www.ceeol.com/aspx/issuedetails.aspx?issueid=a06ea2a5-65e0-4ad1-bb77-9eba3b375662&articleid=9d5e2fc0-ad0f-44fa-87dd-50ad5f1e396b>
- Adem Abdić, Ademir Abdić, Fahir Kanlić, **Application of value - at - risk methods on capital market in Bosnia and Herzegovina**, Zbornik radova br. 2/Economy Of Integrations (ICEI), Economic Faculty – University of Tuzla, BiH, pages 201-212; ISSN 2233-0445
<http://icei.epk.ba/2011/bs/?izbor=1&kategorija=1&ID=11>
- Prof. Rabija Somun-Kapetanović, PhD, Prof. Emina Resić, PhD, Fahir Kanlić, **Use of administrative data for statistical purposes – challenges and perspectives in use of administrative data in business statistics of Bosnia and Herzegovina**, International Statistical Conference in Croatia (ISCCRO'16), Zagreb 05 - 06 May 2016; Electronic version ISSN 1849-9872; <http://www.hsd-stat.hr/wp-content/uploads/2016/05/ISCCRO16-Conference-Programme-ver-3-May-2016.pdf>

T-5 (PEER REVIEWED PROCEEDINGS)

- Fahir Kanlic, Contributed Paper Session Paper (CPS1332): **Two sides of the same statistical medal - academic and official statistics, examples for the Bosnia and Herzegovina**, „62nd ISI World Statistics Congress 2019“, Kuala Lumpur, Malaysia, 18th – 23rd August 2019, <https://www.isi2019.org/>
- Fahir Kanlic, **Quality management system in the Agency for statistics of Bosnia and Herzegovina – implementation of CAF model, experiences and future challenges**, European Conference on Quality in Official Statistics, Krakow, Poland, 27 – 29 June 2018, <https://www.q2018.pl/conference-programme/>
- Fahir Kanlic, **CAF Implementation In The Agency For Statistics of Bosnia And Herzegovina - Experiences With The Example Of User Satisfaction Survey**, European Institute for Public Administration (EIPA), Sofia, Bulgaria, 12th May 2018
- Edib Bašić, Fahir Kanlić, **Financial indicators and ratios in risk assessment function**, 15th International Symposium “Priorities for BiH” Revicon and JAFIS, Neum 29 – 31 May 2014

Projects

- **EU4ADMIN Project** “Use of Administrative data sources for production of Official Statistics in Bosnia and Herzegovina” – Project Coordinator on behalf of the Agency for Statistics of Bosnia and Herzegovina (Implemented by GOPA Consultants, Statistics Croatia and Statistics Slovenia) (September 2023 – in progress)
- **EU IPA 2017 Twinning Project** “Support to the reform of the statistics system in Bosnia and Herzegovina ” – Coordinator for “Index of Production in Construction” component (Implemented by Statistics Denmark, in partnership with Statistics Finland, Statistics Italy) (March 2021 – in progress)
- **EU IPA 2019 Multi – Beneficiary Project** – Coordinator for Short-Term Statistics component (September 2021 – in progress), implemented by GOPA Consultants
- **EU IPA 2017 Multi – Beneficiary Project** – Coordinator for Short-Term Statistics component (September 2019 – December 2021), implemented by GOPA Consultants

- **EU IPA 2015 Twinning Project** “Support to the reform of the statistics system in Bosnia and Herzegovina ” – Coordinator for “Construction Producer Price Index for civil engineering works” component (Implemented by Statistics Denmark, in partnership with Statistics France, Statistics Finland, Statistics Croatia and Statistics Lithuania) (January 2018 – March 2020)
- **EU IPA 2015 Multi – Beneficiary Project** – Coordinator for Short-Term Statistics component, in progress (December 2017 – December 2019), implemented by GOPA Consultants
- **EU IPA 2014 Multi – Beneficiary Project** – Coordinator for Short-Term Statistics component, in progress (December 2015 – December 2017), implemented by GOPA Consultants
- **EU IPA 2012 Twinning Project** “Support to the State and the Entity Statistical Institutions in Bosnia and Herzegovina – Phase VI” – Coordinator for “Construction Producer Price Index for new residential buildings” component (Implemented by Statistics Denmark, in partnership with Destatis, Statistics Finland, Statistics Netherland, Statistics Latvia and Statistics Lithuania), in progress until December 2016 (2014 – 2016)
- **EU IPA 2012 Multi – Beneficiary Project** – Coordinator for Short-Term Statistics component, completed (2012 – 2014)
- **EU IPA 2008 Twinning Project** “Support to the State and the Entity Statistical Institutions in Bosnia and Herzegovina – Phase V” (2011 – 2013) – Coordinator for Short-Term Statistics component – development of monthly Issued Building Permits indicators for BiH, development of Index of Production in Construction for BiH (Implemented by Statistics Denmark, in partnership with Destatis, Statistics Finland, Istat and Statistics Lithuania), completed (2011 – 2013)
- **GIZ Project** “Strengthening of public institutions – Development of Business Statistics in BiH” – coordinator (development of Industrial Production Index for Bosnia and Herzegovina according to unique methodology agreed between three statistical institutions in BiH, harmonized with EU standards – sample selection procedures improved, back casting and rebasing of time series, calculation of weighting structure, seasonal and calendar adjustments of time series)

Conferences
and
Seminars

1. **„ESTP Course: "Use of R in Official Statistics – model-based estimates"**, Den Haag, The Netherlands, 24th – 28th October 2022, Central Statistics Bureau of the Netherlands
2. **„ESTP Course: "Time Series Econometrics"**, Italy, Venice, 11th – 13th February 2020, Eurostat
3. **„ICOS2019: Emerging trends in statistical methodologies and data dissemination“**, November 14-15, 2019 in Sarajevo, Bosnia and Herzegovina
4. **„ESS Workshop on the use of administrative data for business, agriculture and fisheries statistics“**, 17th – 18th October 2019, Bucharest, Romania, organized by Eurostat and Statistics Romania
5. **„62nd ISI World Statistics Congress 2019“**, Kuala Lumpur, Malaysia, 18th – 23rd August 2019, International Statistical Institute and Statistics Malaysia, <https://www.isi2019.org/>
6. **„ESTP Course: "SMALL AREA ESTIMATION"**, Spain, Valencia, 6th – 8th February 2019, Eurostat

7. **“Sub-Regional Workshop on Statistical Data Architecture and Software Sharing”**, Belgrade, Serbia, 5th – 6th December 2018, UNECE and Statistics Serbia
8. **“Workshop on Statistical Data Collection- Resourceful Data Acquisition”**, Geneva, Switzerland, 10th – 12th October 2018, UNECE
9. **„ESTP Course: “JDEMETRA+ FOR ADVANCED USERS AND HOBBY DEVELOPERS”**, Luxembourg, Eurostat, 19th – 21st September 2018
10. **“European Conference on Quality in Official Statistics – Q2018”**, Krakow, Poland, 27– 29 June 2018, presented paper: “Quality management system in the Agency for statistics of Bosnia and Herzegovina – implementation of CAF model, experiences and future challenges”
11. **“The 2nd International Statistical Conference in CROatia - New Advances in Statistical Methods Applications for a Better World”**, 10-11 May, 2018, Opatija, Croatia, presented paper: “The short-term turnover estimates in Bosnia and Herzegovina based on the VAT data”
12. **“8th European CAF Users Event, Public sector Organisations on their way to maturity - Embedding the Principles of Excellence“**, Sofia, Bulgaria, 12th April 2018, presented paper:” CAF Implementation in The Agency for Statistics of Bosnia and Herzegovina - Experiences with The Example of User Satisfaction Survey”
13. **„ESTP Course: Introduction to Seasonal Adjustment and JDEMETRA+“**, Luxembourg, Eurostat, 20th – 22nd February 2018,
14. **„Seminar in Statistics and Textile Clothing Information for Developing Countries“**, Beijing, China, 8 – 28 September 2017, Government of PRC China, Academy for International Business Officials and Statistical Society for Foreign Economic Relations and Trade of China
15. **„ESTP Course: Use of R in Official Statistics – model based estimates“**, Vienna, Austria, 04th – 07th April 2017, Statistics Austria and DEVSTAT
16. **ICOS2017: Challenges, Opportunities and Future Directions in Official Statistics**, March 30-31, 2017 in Sarajevo, Bosnia and Herzegovina
17. **„Training on Seasonal Adjustment with JDemetra+“**, Podgorica, Montenegro, 1st – 3rd November 2016, GOPA Consultants
18. **„ESTP Course: Economic and social classifications: Methodology and application – Introductory course“**, Paris, France, 25th – 27th May 2016, Expertise France and ICON Institut
19. **„Improving Business Survey Data Collection Processes in Support of Improved Business Survey Outputs”** , Hotel Bosna - Banja Luka, 8th – 10th July 2015, GOPA Consultants i Eurostat
20. **„New Techniques and Technologies for Statistics 2015“**, Charlemagne Conference Centre Brussels Belgium, 10th – 13th March 2015, Eurostat
21. **„Inspirational leadership through periods of change and modernization“**, Sarajevo – Hotel Evropa, 11th – 13th November 2014, Eurostat, GOPA Consultants, Inspire Thinking UK
22. **„ESTP Course: Combining data from different sources and modes“**, Oslo, Norway, 13th – 17th October 2014, Eurostat, EFTA and Statistics Norway (SSB Norway)
23. **„Training of trainers“**, Banja Luka – Hotel Bosna, 22nd – 24th September 2014, SIDA and Statistics Sweden (SCB Sweden)
24. **„Non-response treatment“**, Banja Luka – Hotel Bosna, 25th – 27th August 2014, SIDA and Statistics Sweden (SCB Sweden)
25. **„Workshop on Short-term Statistics“**, Luxembourg – Hotel Novotel, 19th – 20th June 2014, Eurostat

26. **„Quality in Official Statistics – Q2014, European Conference on Quality in Official Statistics“**, Schönbrunn Palace Conference Centre, Vienna Austria, 3rd – 5th June 2014, Eurostat and Statistics Austria
27. **„Quality in Official Statistics – Q2014, Training course: Deseign and conducting Business Surveys“**, Schönbrunn Palace Conference Centre, Vienna Austria, 2nd June 2014, Eurostat and Statistics Austria
28. **„SPSS kurs“**, Sarajevo – Bosnia and Herzegovina, 31st March – 4th April 2014, Agency for statistics of Bosnia and Herzegovina
29. **„Regional Workshop on Non-Sampling Errors II“**, Banja Luka – Hotel Bosna, 17th – 19th March 2014, SIDA and Statistics Sweden (SCB Sweden)
30. **„European Statistical System“**, Sarajevo – Hotel Evropa, 17th – 20th December 2013, Statistics Denmark
31. **„Regional Workshop on Non-Sampling Errors“**, Hotel Splendid, Bečići, Montenegro, 3rd – 5th April 2013, SIDA and Statistics Sweden (SCB Sweden)
32. **„Regional Workshop on Survey Methodology“** Hotel Splendid, Bečići, Montenegro, 3 weeks (16th – 20th April; 7th – 11th May and 28th May – 1st June 2012), SIDA and Statistics Sweden (SCB Sweden)
33. **„Summer School 2011“**, Hotel Tara, Bečići, Montenegro, 5th – 9th September 2011, Statistics Montenegro, SIDA and Statistics Sweden (SCB Sweden)
34. **„Statistics in Action“**, Hotel Bosnia Sarajevo, 27th September – 8th October 2010, SIDA and Statistics Sweden (SCB Sweden)

Memberships

- International Association for Official Statistics (IAOS) and International Statistical Institute (ISI) Member
- Association of accountants, auditors and financial professionals of FBiH, Sarajevo - Certified Accountant
- Short-Term Statistics Coordinator for Bosnia and Herzegovina in Eurostat
- PRODCOM Working Group - Coordinator for Bosnia and Herzegovina in Eurostat
- Member of Task Force in Eurostat for development of Commercial Real Estate Indicator (CREI)