

# Endri Raço

Lecturer of Statistics,  
Data Scientist,  
R Programmer

**Linked in** /in/endriraco



+355 6820 61 988

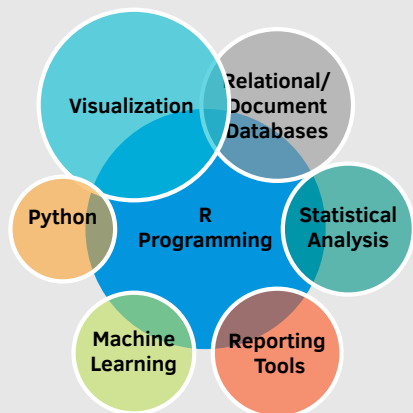


<https://endri81.github.io/>



e.raco@fimif.edu.al

## Skills



## Interests

Data Wrangling



Scripting



Data Cleaning



Software Development



Data Mining & Statistical Analysis



## Education

- 2011 - 2013 **PhD., Applied Statistics** Polytechnic University of Tirane  
Tirana, Albania  
*Specialization: Data Analysis, R Programming*
- 2004 - 2006 **MSc., Computer Engineering** St. Petersburg State Polytechnic University  
St. Petersburg, Russia  
*Specialization: Computer Science and Software Engineering*
- 2004 - 2006 **MSc., System Analysis** St. Petersburg State Polytechnic University  
St. Petersburg, Russia  
*Specialization: System Analysis*
- 2000 - 2004 **BSc., System Analysis** St. Petersburg State Polytechnic University  
St. Petersburg, Russia  
*Specialization: System Analysis*

## Grants, honors and awards

- 2010 **BrainGain Programme**  
An initiative of UNDP and Albanian government for excellent students who return in Albania

## Professional Membership

- 2011- **Albanian Mathematical Association**

## Projects Experience

- 2018 - **STAR2 Consultant on IT Service and Transparency Innovation** UNDP
- Support project efforts and advice on establishing a government database for municipal or municipal-related data
  - Provide technical input on the draft Terms of Reference with a focus on the benchmarking system online platform
  - Provide review and quality assurance of the proposed software solution and the proposed implementation approach
- 2016-2017 **National consultant/research on housing needs at the municipal level** UNSSIA
- Consulted Ministry of Urban Development of Albania under the nationally executed UNSSIA project in establishing a Data Collection System with the purpose of assessing housing needs at the local/municipal level.
  - Created the online survey, trained and supported staff on system usage, conducted research using collected data.
  - Developed and maintained online system for data collection and data reporting regarding situation of social housing in Albania municipalities.

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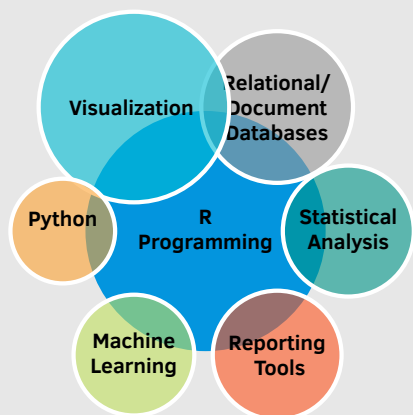


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2016-2016 **Consultant/R Trainer**

Statistics Sweden(SCB)/KAS

- Developed and taught a beginner-level course on using R Language. A group of Kosovo Agency of Statistics (KAS) employees were instructed on using R Language for official statistics data analysis and visualization. Prepared course materials and assisted on setting up R laboratory.
- Developed and taught an intermediate-level courses on using R Language. A group of Kosovo Agency of Statistics (KAS) employees were instructed on using R Language for official statistics data cleaning and wrangling. Prepared course materials and assisted on setting up R laboratory.

2014-2016 **Consultant/R Trainer**

Statistics Sweden(SCB)/INSTAT

- Developed and taught two beginner-level courses on using R Language for official statistics data analysis and visualization.
- Developed and taught two intermediate-level courses on using R Language on using R Language for official statistics data cleaning and wrangling.
- Developed and taught two advanced-level courses on using R Language on using R Language for regression modelling and prediction.

2014-2015 **National Consultant/R Developer**

UN Women

- Designed and developed Name Statistics software, first R software in Albania.(<https://statemra.shinyapps.io/emra/>)
- Provided technical assistance and advice on issues related to sex-disaggregated data to the Institute of Statistics of Albania(INSTAT)
- Assisted to a coordinated cooperation between INSTAT and the Ministry of Social Welfare and Youth to build an institutionalized official data exchange protocol under the supervision of UN Women.

2013-2014 **National Consultant/Software Developer**

UNFPA

- Developed the electronic index for data gathering and analysis on behalf of School of Magistrate under the supervision of UNFPA

2012-2012 **National Consultant/Software Developer**

World Vision

- Developed database and map portal for Social Services in Albania on behalf of Ministry of Social Welfare and Youth under the supervision of World Vision

2011-2012 **National Consultant/Software Developer**

UNFPA

- Development of database for comprehensive RH Services, Information and Counseling on behalf of Institute of Public Health under supervision of UNFPA

2010-2011 **National Consultant**

USAID

- IT/GIS Training and Institutional Strengthening to support the National Territorial Planning Agency under the supervision of USAID

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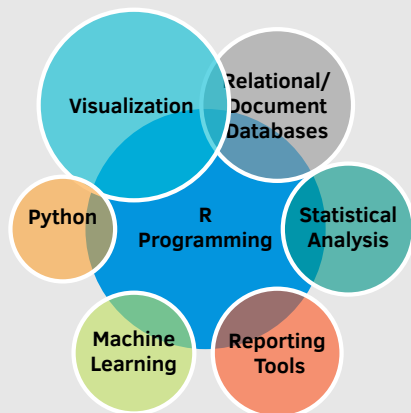


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## Publications

- 2017 **E.Raço, K.Haxhi, E.Llagami, O. Zace** Theory of Probability and Mathematical Statistics with illustrations in R University Book
- 2017 **E.Raço, K.Haxhi, E.Llagami, O. Zace** Theory of Probability and Mathematical Statistics(Exercises) University Book
- 2016 **E.Raço** Analysis of Situation of Social Housing in Albania(SDC, UNDP, UN, MUD) Report published in UNDP and MUD website
- 2013 **E.Raço** Build and analysis of a mathematical model combining statistical methods with GIS PhD Thesis, Published at Tirana Polytechnic University web-page
- 2008- **E.Raço** Overall twenty papers, articles, proceedings in different countries

## Teaching Experience

- 2006 - **External Lecturer** Faculty of Economics  
Tirana University
- Teaching undergraduate courses of Applied Maths.
- 2017 - **External Lecturer** Faculty of Architecture and Engineering  
Epoka University
- Teaching undergraduate courses of Probability.
- 2015 - 2016 **External Lecturer** Faculty of Economics  
Luarasi University
- Teaching undergraduate courses of Applied Statistics.

## Working Experience

- 2011 - **Full-time Lecturer** Faculty of Mathematical Engineering  
Polytechnic University of Tirane
- Teaching undergraduate and graduate courses of Applied Statistics.
  - Teaching undergraduate and graduate courses of R Programming.
- 2008 - 2010 **IT Director** Ministry of Interior
- Participation in various major projects.
- 2006 - 2008 **Sun Support Engineer** Horizon Service Provider
- Participation in various major projects.