



# R programiranje u društvenim naukama

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Da li čitamo poslednju verziju dokumentacije?

<https://cran.r-project.org/web/packages/essurvey/index.html>

# Sadržaj za danas

Deskriptivna statistika: `summary()`, `describeBy()/table()`

Uklanjanje outlieri/reda/kolone

Popunjavanje missing values

Statistički testovi

Grafički prikaz podataka

Korespondenciona analiza (CA, MCA) paketi

# Tips and tricks

Izdvojite vreme za učenje najosnovnijih termina

Koristite dokumentaciju/online resurse/online kurseve/knjige

Obazrivo pri analizi (šta je po defaultu, šta vi morate da definišete)

Obazrivo pri komentarisanju output-a

R ima jako puno funkcionalnosti ali zahteva igranje sa argumentima (što daje kontrolu nad onim što radite)

Kodiranje može biti frustrirajuće zbog grešaka koje R prijavljuje ali guglajte

# Kako nastaviti učenje (samostalno)?

Korisna literatura

Michael Crawley: The R book

<ftp.tuebingen.mpg.de/pub/kyb/bresciani/Crawley%20-%20The%20R%20Book.pdf>

Paul Teetor, R Cookbook

[http://www.bagualu.net/wordpress/wp-content/uploads/2015/10/R\\_Cookbook.pdf](http://www.bagualu.net/wordpress/wp-content/uploads/2015/10/R_Cookbook.pdf)

Hadley Wickam: R for Data Science

<http://r4ds.had.co.nz/>

Robert I. Kabacoff: R in Action

<https://www.manning.com/books/r-in-action>

# Kako nastaviti učenje (samostalno)?

Korisni linkovi

Mike Marin youtube videos

<https://www.youtube.com/watch?v=riONFzJdXcs&list=PLqzoL9-eJTnBDdKgJgJzaQcY6OXmsXAHU>

Quick-R: <https://www.statmethods.net/r-tutorial/index.html>

R Studio: <https://www.rstudio.com>

Stackoverflow:

<https://stackoverflow.com/questions/1744861/how-to-learn-r-as-a-programming-language>

R Bloggers

<https://www.r-bloggers.com/the-5-most-effective-ways-to-learn-r/>

Medium: <https://blog.exploratory.io/filter-data-with-dplyr-76cf5f1a258e>

# SPSS i R

<https://www.ibm.com/developerworks/library/ba-call-r-spss/index.html>

<https://stackoverflow.com/questions/3787231/r-and-spss-difference>

[https://www.youtube.com/watch?v=r\\_m3d3PsgLc](https://www.youtube.com/watch?v=r_m3d3PsgLc) (Combining IBM SPSS Statistics and R for competitive advantage)

[https://medium.com/@Sam\\_D\\_Parsons/can-we-please-move-beyond-just-whats-better-spss-or-r-cec73be48cf7](https://medium.com/@Sam_D_Parsons/can-we-please-move-beyond-just-whats-better-spss-or-r-cec73be48cf7)

<https://www.quora.com/What-are-the-main-differences-between-R-and-SPSS>

# Korespondenciona analiza i R

<http://www.carme-n.org/?sec=code2>

<https://programminghistorian.org/en/lessons/correspondence-analysis-in-R>

[http://helios.mi.parisdescartes.fr/~lerb/index\\_en.html](http://helios.mi.parisdescartes.fr/~lerb/index_en.html)

<http://www.sthda.com/english/wiki/fviz-ca-quick-correspondence-analysis-data-visualization-using-factoextra-r-software-and-data-mining>

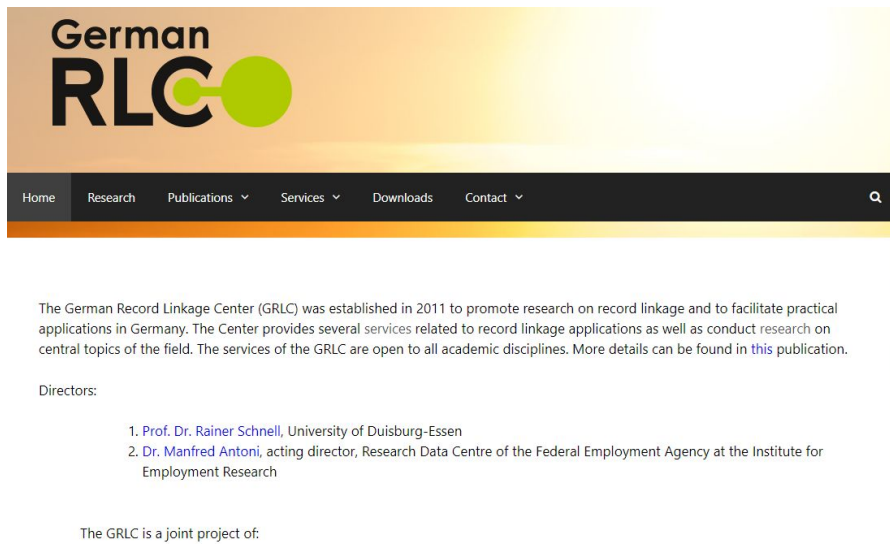


# Šta dalje?

Big Data i ankete

Povezivanje setova podataka (Data Linkage)

determinističko / probabilističko



The screenshot shows the homepage of the German Record Linkage Center (GRLC). The header features the GRLC logo, which consists of the text "German RLC" in black and a green circular icon with a white dot. Below the logo is a dark navigation bar with links for Home, Research, Publications (with a dropdown arrow), Services (with a dropdown arrow), Downloads, and Contact (with a dropdown arrow). A search icon is located on the right side of the navigation bar. The main content area has a light orange background and contains the following text:

The German Record Linkage Center (GRLC) was established in 2011 to promote research on record linkage and to facilitate practical applications in Germany. The Center provides several services related to record linkage applications as well as conduct research on central topics of the field. The services of the GRLC are open to all academic disciplines. More details can be found in [this](#) publication.

Directors:

1. Prof. Dr. Rainer Schnell, University of Duisburg-Essen
2. Dr. Manfred Antoni, acting director, Research Data Centre of the Federal Employment Agency at the Institute for Employment Research

The GRLC is a joint project of:

# Šta dalje?

## Sociologija i algoritmi



Journal  
**Information, Communication & Society** >  
Volume 20, 2017 - Issue 1: The Social Power of Algorithms

16,974  
Views

45  
CrossRef citations  
to date

1 1 1

 Listen 

Introduction

### The social power of algorithms

David Beer 

# Šta dalje?

Kompleksni algoritmi versus jednostavnost modeliranja (parsimony)

# Šta dalje?


Kvalitet podataka pre svega

Questions		0	1	2	3	4
1	How do you feel about the pleasure you get from food, compared with the time when you had natural teeth?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2	With respect to chewing, how satisfied are you with your dentures?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3	With respect to appearance, how satisfied are you with your dentures?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4	With respect to how comfortable your dentures are, how satisfied are you?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5	With respect to being self-assured and self-conscious, how satisfied are you with your dentures?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

# R Ladies i BelgradeR



<https://twitter.com/RLadiesBelgrade>



### R-Ladies Belgrade

RLadiesBelgrade

Follow

Block or report user

R-Ladies aims to increase gender diversity in #rstats community via local meetups & mentorship!

📍 Belgrade

🌐 <http://rladies.org>

Overview Repositories 7 Projects 0 Stars 11

#### Popular repositories

**XmasCard**

Forked from [TanjaKec/XmasCard](#)

create Xmas card using #rstats: ggplot and magick

● HTML

**DataWrangling**

Forked from [TanjaKec/DataWrangling](#)

a brief introduction to the tools for data manipulation and visualisation: dplyr and ggplot2

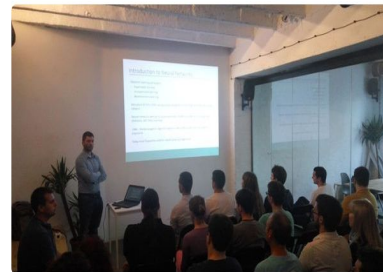
● HTML

**Saobracajke**

Forked from [TanjaKec/Saobracajke](#)

OpenData

● R



## BelgradeR

📍 Belgrade, Serbia

👤 790 members · Public group

👤 Organized by [Branko Kovač](#) and 3 others

Share: [f](#) [t](#) [in](#) [➦](#)

# Povratna informacija

Šta vam se dopalo, šta biste promenili?

# Hello and welcome ...

... to Germany's most influential online research conference!

Join us from 6 to 8 March 2019 in Cologne for a friendly, valuable and inspiring event which is a must for everyone involved in online research: the 21st General Online Research Conference! Meet like-minded people and get to know the latest trends in online research.

[Register here!](#)

## Conference Dates:

General Online Research (GOR 19)  
6 to 8 March 2019

## Conference Location:

TH Köln - University of Applied Sciences  
Campus Südstadt  
Claudiusstr. 1  
50678 Cologne  
Germany

## Contact:

Deutsche Gesellschaft für  
Online-Forschung - DGOF e.V. /  
German Society for Online-Research  
[Full Address](#)

10:45	<b>A02: New Technologies and Human-like Interviewing</b> Location: Room Z28 Chair: Oliver Tabino, Q   Agentur für Forschung GmbH, Germany
10:45 - 11:45	<b>Adapting surveys to the modern world: comparing a researchmessenger design to a regular responsive design for online surveys</b> <u>Vera Toepoel</u> , Peter Lugtig, Marieke Haan, Bella Struminskaya, Anne Elevelt Utrecht University, Netherlands, The
	<b>Voice Recording in Mobile Web Surveys - Evidence From an Experiment on Open-Ended Responses to the "Final Comment"</b> <u>Konstantin Leonardo Gavras</u> University of Mannheim, Germany
	<b>How well is remote webcam eye tracking working? - An empirical validation of Sticky and Eyes Decide against Tobii</b> <u>Michael Wörmann</u> Facit Digital GmbH, Germany

## **B09: Using Smartphone Data for Social Science Research**

Location: Room 158

Chair: Anne Elevelt, Utrecht University, Netherlands, The

### **Process Quality and Adherence in a Mobile App Study to Collect Expenditure Data within a Probability Household Longitudinal Study**

Carli Lessor<sup>1</sup>, Annette Jäckle<sup>2</sup>, Mick Couper<sup>3</sup>, Thomas F Crossley<sup>2</sup>

1: Southampton University, United Kingdom; 2: University of Essex, United Kingdom; 3: University of Michigan, United States

### **The Appiness project - How do (un)happy people behave online?**

François Erner  
respondi, France

### **Enriching an Ongoing Panel Survey with Mobile Phone Measures: The IAB-SMART App**

Georg-Christoph Haas<sup>1,2</sup>, Frauke Kreuter<sup>1,2,4</sup>, Sebastian Bähr<sup>1</sup>, Florian Keusch<sup>2</sup>, Mark Trappmann<sup>1,3</sup>

1: Institute for Employment Research; 2: University of Mannheim; 3: University of Bamberg; 4: University of Maryland

## **B06: Social Media and Online Communities**

Location: Room 158

Chair: René Schallner, GfK Verein, Germany

### **Optimized Strategies for Enhancing the Territorial Coverage in Twitter Data Collection**

Stephan Schlosser<sup>1</sup>, Michela Cameletti<sup>2</sup>, Daniele Toninelli<sup>2</sup>  
1: University of Göttingen, Germany; 2: University of Bergamo, Italy

### **Exploring Instagram Data: What's in Instagram for Market Research and Social Sciences?**

Yannick Rieder<sup>1</sup>, Simon Kühne<sup>2</sup>, Daniel Jörgens<sup>3</sup>  
1: Janssen-Cilag GmbH, Germany; 2: Universität Bielefeld, Germany; 3: KTH Royal Institute of Technology, Sweden

### **The keyboard is the key—Language cues in online dating**

Dorothea C. Adler<sup>1</sup>, Maximilian T. P. Freiherr von Andrian-Werburg<sup>1</sup>, Frank Schwab<sup>1</sup>, Sascha Schwarz<sup>2</sup>, Benjamin P. Lange<sup>1</sup>  
1: Julius-Maximilians-Universität Würzburg, Germany; 2: Bergische Universität Wuppertal



