

How to awake statistics after the pandemic time? YoungStatS project and Young Statisticians Europe

Prebuditi statistiko po obdobju pandemije? Projekt YoungStatS in mladi evropski statistiki.

Andrej Srakar, PhD, Asst. Prof., Institute for Economic Research (IER) and Joint
Coordinator of Young Section of Slovenian Statistical Society

Christian Capezza, PhD, post-doc researcher at the University of Naples Federico
II and Secretary, The young group of the Italian Statistical Society (y-SIS)

As a teaser – short tour of YoungStatS

Presentacija: Prihajajoča skupščina x Young SIS x EconomistsTalkArt.org x The SHARE Blog – Analysis and c x | YoungStatS

← → ↻ youngstats.github.io

Aplikacije statistics - 98% con... 5.2 - Constructing c... CISlides.pdf week11.pdf mR Evaluations of serol... Coronavirus: surpris... Progress on COVID... Estimating seroprev... ResearchGate e7808c3bf2554b0f0... »

YoungStatS

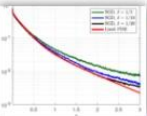
The blog of Young Statisticians Europe (YSE)

Home Webinars About Categories

MACHINE-LEARNING

Analysis of a Two-Layer...

Adel Javanmard, Marco Mondelli and Andrea Montanari / 2021-03-14

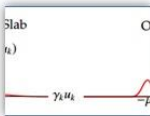


We consider the problem of learning a function defined on a compact domain, using linear combinations of a large number of “bump-like” components (neurons). This idea lies at the core of a variety of methods from two-layer neural networks to kernel regression, to boosting. In general, the resulting...

GENERALIZED-LINEAR-MODELS

A Scalable Empirical Bay...

Haim Bar, James Booth and Martin T. Wells / 2021-03-13

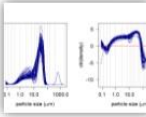


In the toolbox of most scientists over the past century, there have been few methods as powerful and as versatile as linear regression. The introduction of the generalized linear model (GLM) framework in the 1970's extended the inferential and predictive capabilities to binary or count data. While...

COMPOSITIONAL DATA

Compositional scalar-on...

Ivana Pavlů, Karel Hron / 2021-03-10



Compositional data are characterized by the fact that the relevant information is contained not necessarily in the absolute values but rather in the relative proportions between particular components. As an example, take household expenditures for different purposes (housing, groceries, travel etc.)...

MAXIMUM-LIKELIHOOD

Higher Order Targeted ...

Zeyi Wang and Mark van der Laan / 2021-03-10

COMPOSITIONAL DATA

Give me an adequate co...

Karel Hron, Peter Filzmoser / 2021-02-04

We assume that you are

WEBINARS

Recent Advances in CO...

2021-02-04

YoungStatS project of Young Statisticians

Tukaj vnesite izraz za iskanje

15:57 21.03.2021

Young Statisticians Europe (YSE)

Who we are?

- In October 2018, more than 20 of these representatives from 8 European countries met for a workshop in Paris with the goal of enabling more networking, collaboration and communication among young statisticians in Europe. The organizing committee consists of young representatives of different statistical association from all around Europe.

Goals:

- To support the creation of national communities, networks and societies for young statisticians.
- To provide a platform for networking and exchange between national young statisticians associations
- To promote joint research and academic collaboration on an international level
- To organize regional activities and events for young statisticians
- To connect statisticians across different subject areas and career paths

More: <https://www.fenstats.eu/YSE>

Second YSE Meeting in Bucharest



Second Meeting of Young Statisticians Europe

**1-2 November 2019
Bucharest, Romania**

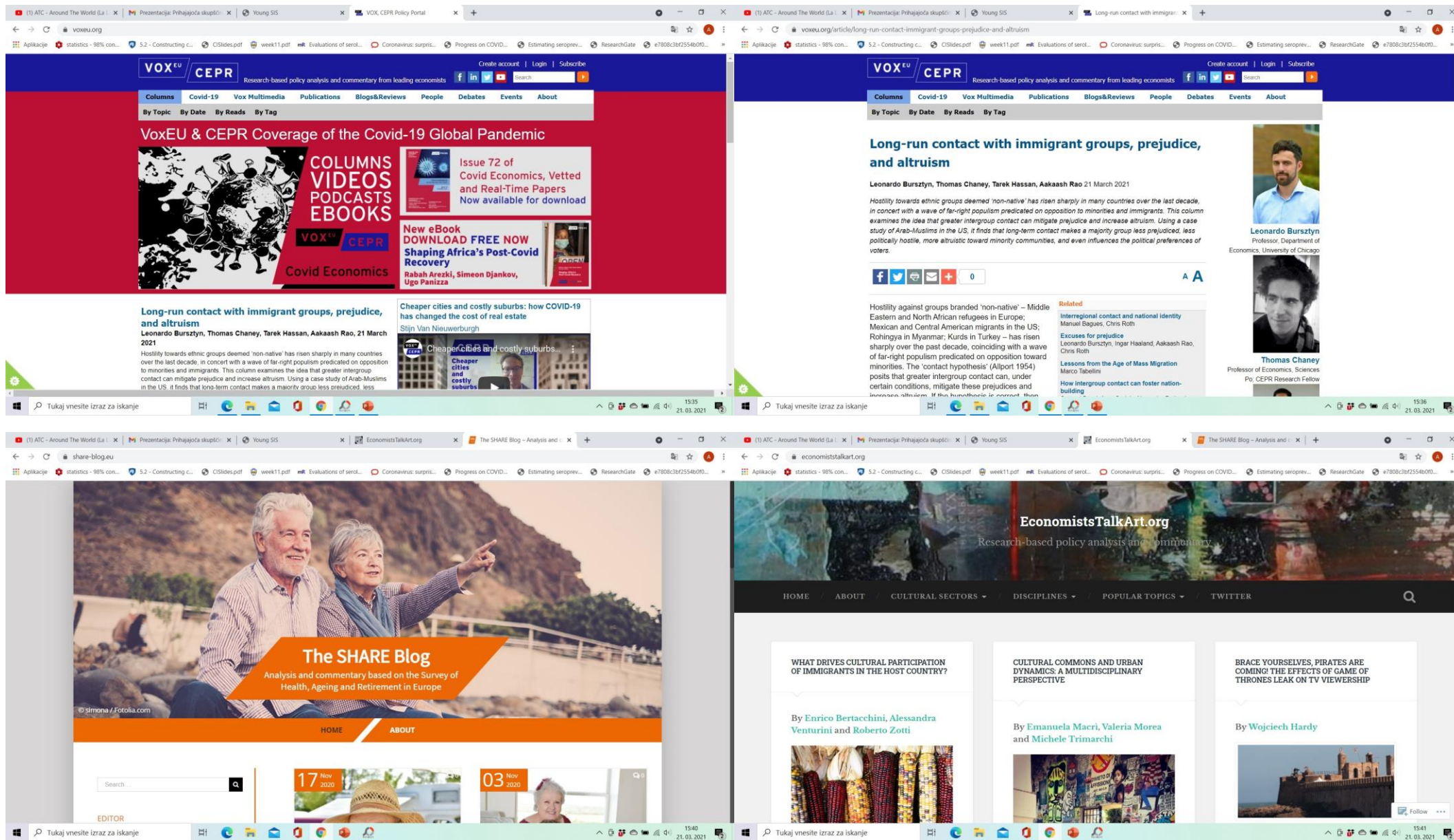
**Bucharest University of Economic Studies—Faculty of Cybernetics, Statistics and Economic Informatics
ROOM 2416**

Friday 1st November

9 ⁰⁰ –9 ¹⁵	Registration
9 ¹⁵ –11 ⁰⁰	Opening Short presentation of Young Statisticians Europe Group and Short presentation of Young Statisticians Europe Groups from Belgium, France, Finland, Hungary, Ireland, Romania, Slovenia
11 ⁰⁰ –11 ³⁰	Coffee/Tea break
11 ³⁰ –11 ⁴⁵	Modibo Diabaté—“Modeling of melanoma (cancer) dynamics and parameter estimation in this cancer model”
11 ⁴⁵ –12 ⁰⁰	Fatemeh Ghaderinezhad—“To choose or not to choose a prior. That’s the question!”
12 ⁰⁰ –12 ¹⁵	Rafael De Andrade Moral—“How do birds compose their music? Modelling ecological patterns in bird song data”
12 ¹⁵ –12 ³⁰	Simona Cojoclea—“On the use of divergence measures for the comparison between two models”
12 ³⁰ –14 ⁰⁰	Lunch
14 ⁰⁰ –14 ¹⁵	Eva Kuruczleki—“Application of visualisation tools in statistical courses of economics students and how to teach graph theory and network analysis in economics study programmes”
14 ¹⁵ –14 ³⁰	Moghaddam Shirin—“Imputing censored observations using Bayesian Approach”
14 ³⁰ –14 ⁴⁵	Andrej Srakar—“Endogeneity modelling in static and dynamic MIMIC models”
14 ⁴⁵ –15 ³⁰	Administrative meeting (we will include Skype interventions of the members of the other countries) Andrej Srakar—Establishment of an international research blog to present current contributions from (both young and established) researchers in the field of statistics, under the framework of Young Statisticians Europe initiative”
15 ³⁰ –16 ⁰⁰	Coffee/Tea break
16 ⁰⁰ –17 ³⁰	Administrative meeting (we will include Skype interventions of the members of the other countries)
17 ³⁰ –20 ⁰⁰	Dinner

* costs covered by participants

The idea of the project



How YoungStatS „works“?

The screenshot shows a Slack interface on a Windows desktop. The browser address bar displays `https://app.slack.com/client/T01LFJU1F6E/C01LMPWFRHS`. The Slack channel is `#blogposts-stats`, with a link to a Google Spreadsheet: `[Invited posts](https://docs.google.com/spreadsheets/d/1i0I9RC2VxtnWnDuBG5I4YWFwAkIwS7e_/edit#gid=145522508)`.

The channel history shows the following messages:

- Saturday, March 13th**
 - Andrej Srakar** 7:38 PM: Thanks, Emanuele!
- Sunday, March 14th**
 - Andrej Srakar** 9:51 AM: Dear All, good news - we have another submitted blogpost from Javanmard, Mondelli and Montanari from their recent Annals of Statistics article, please find their submission attached.
It will be put online as well asap.
YSE_blog.tex


```
1 \documentclass[11pt]{article}
2 \usepackage{epsfig,epsf,times,amsmath, amssymb,xcolor,amsthm,mathtools}
3 \usepackage{subfig}
4 \usepackage{caption}
```
 - Andrej Srakar** 4:19 PM: `@channel` we have two new posts online:
 - First, Haim Bar et al, <https://youngstats.github.io/post/2021/03/14/a-scalable-empirical-bayes-approach-to-variable-selection-in-generalized-linear-models/>
 - Second, today's new one, Javanmard, Mondelli and Montanari, <https://youngstats.github.io/post/2021/03/14/analysis-of-a-two-layer-neural-network-via-displacement-convexity/>Some final corrections are being undertaken (categorizations and some mistakes in the author names) and then we seem to be "good to go ahead" also with those two... 😊

The bottom of the image shows the Windows taskbar with the search bar containing "Tukaj vnesite izraz za iskanje" and the system clock showing 15:46 on 21.03.2021.

How YoungStatS „works“?

The screenshot shows the GitHub repository page for `youngstats/youngstats.github.io`. The browser's address bar shows the URL `https://github.com/youngstats/youngstats.github.io`. The repository page includes a search bar, navigation links (Pull requests, Issues, Marketplace, Explore), and a sidebar with repository statistics (Unwatch, Star, Fork). The main content area displays the repository structure and a list of commits.

Repository Structure:

- about
- about_files
- categories
- css
- page
- post
- rmarkdown-libs
- seminars
- tags
- .Rhistory
- .gitignore
- .nojekyll

Commit History:

Commit Message	Author	Time
add logo	b9aaaaed	4 days ago
add logo	b9aaaaed	4 days ago
update 3,4	b9aaaaed	7 days ago
test	b9aaaaed	7 months ago
3rd and 4th Matjaz	b9aaaaed	7 days ago
update 3,4	b9aaaaed	7 days ago
add new post by R. Christiansen and add Twitter info	b9aaaaed	3 months ago
rename webinar series	b9aaaaed	3 months ago
3rd and 4th Matjaz	b9aaaaed	7 days ago
add general infos	b9aaaaed	27 days ago
Revert "add new post by R. Christiansen and add Twitter info"	b9aaaaed	3 months ago
test	b9aaaaed	7 months ago

Repository Information:

- About:** No description, website, or topics provided.
- Releases:** No releases published. [Create a new release](#)
- Packages:** No packages published. [Publish your first package](#)
- Contributors:** 2 contributors: [youngstats](#), [emanuelealiverti](#) (Emanuele Aliverti)

How YoungStatS „works“?

Invited posts .XLSX

Datoteka Urejanje Ogled Vstavi Oblika Podatki Orodja Pomoč Dokument je bil nazadnje spremenjen pred 7 dnevi

Daj V Skupno Rabo

Indirect inference for locally stationary models

	A	B	C	D	E	F
1	Authors	Title	Journal	Date contacted	Editor	Response
50	Ewout W. Steyerberg	Redefining significance and reproducibility for medical research: A plea for higher standards	European Journal of Clinical Investigation	20-oct-20	Amir	Invitation sent
51	F. Centofanti et al.	Functional Regression Control Chart	Technometrics	27-oct-2020	Christian	Published
52	Michael Kattan	A Framework for the Evaluation of Statistical Prediction Models	CHEST	28-oct-20	Amir	Published
53	Marinho Bertanha and Marcelo J. Moreira	Impossible Inference in Econometrics: Theory and Applications	Journal of Econometrics	1-nov.-20	Andrej	Invitation sent
54	Laura Liu, Hyungsik Roger Moon and Frank Schorfheide	Panel forecasts of country-level Covid-19 infections	Journal of Econometrics	1-nov.-20	Andrej	Invitation sent
55	David T. Frazier and Bonsoo Koo	Indirect inference for locally stationary models	Journal of Econometrics	1-nov.-20	Andrej	Invitation sent
56	Jian Guo et al.	GluonCV and GluonNLP: Deep Learning in Computer Vision and Natural Language Processing	Journal of Machine Learning Research	1-nov.-20	Andrej	Invitation sent
57	Kossaifi et al.	Tensor Regression Networks	Journal of Machine Learning Research	1-nov.-20	Andrej	Invitation sent
58	Dieuleveut, Durmus and Bach	Bridging the gap between constant step size stochastic gradient descent and Markov Chain Monte Carlo	Annals of Statistics	2-nov.-20	Geneviève	Accepted, submission
59	Cinelli and Pearl	Generalizing Experimental Results by Leveraging Knowledge of Mechanisms	European Journal of Epidemiology	2-nov.-20	Imke	Accepted, submission
60	Cannings, T. I., Berrett, T. B. and Samworth, R. J.	Local nearest neighbour classification with applications to semi-supervised learning	Annals of Statistics	2-nov.-20	Imke	Published
61	MJ Stensrud, JG Young, V Didelez, JM Robins, MA Hernan-Lopez	Separable Effects for Causal Inference in the Presence of Competing Events	Journal of the American Statistical Association	3-nov.-20	Imke	Accepted, submission
62	Michael Seo	The Kilim plot: A tool for visualizing network meta-analysis results for multiple outcomes	Research Synthesis Methods	3-nov.-20	Amir	Invitation sent
63	Paganin, S., Herring, A.H., Olshan A.F., Dunson, D.B.	Centered Partition Process: Informative Priors for Clustering	Bayesian Analysis (w discussion)		emanuele	Accepted, submission
64	Yixin Wang and Stefan Van Aelst	Sparse Principal Component Analysis Based on Least Trimmed Squares	Technometrics	8-nov.-20	Christian	Invitation sent
65	R. Christiansen and J. Peters	Switching Regression Models and Causal Inference in the Presence of Discrete Latent Variables	Journal of Machine Learning Research	10-nov.-20	Imke	Published
66	Mozharovskiy, P., Josse, J., and Husson, F.	Nonparametric imputation by data depth	Journal of the American Statistical Association	10-nov.-20	Imke	Accepted, submission
67	de Micheaux, P. L., Mozharovskiy, P., and Vimond, M.	Depth for Curve Data and Applications	Journal of the American Statistical Association	18-nov.-20	Imke	Accepted, submission
68	M. Selosse, J. Jacques, C. Biernacki	Model-based co-clustering for mixed type data	Computational Statistics & Data Analysis	18-nov.-20	Imke	Published
69	G.A. Whitaker, R. Silva, D. Edwards, I. Kosmidis	A Bayesian approach for determining player abilities in football	Journal of the Royal Statistical Society Series C (Applied Statistics)	30-nov.-20	Christian	Invitation sent
70	E. Belitzter and S. Ghosal	Empirical Bayes oracle uncertainty quantification for regression	Annals of Statistics	6-dec.-20	Andrej	Invitation sent
71	Z. Li, F. Han, and J. Yao	Asymptotic joint distribution of extreme eigenvalues and trace of large sample covariance matrix	Annals of Statistics	6-dec.-20	Andrej	Invitation sent
72	R. Dwivedi, N. Ho, K. Khamaru, M.J. Wainwright, M. Wainwright	Singularity, misspecification and the convergence rate of EM	Annals of Statistics	6-dec.-20	Andrej	Accepted, submission
73	Cheng Mao, Ashwin Pananjady, and Martin J. Wainwright	Towards optimal estimation of bivariate isotonic matrices with unknown permutation	Annals of Statistics	6-dec.-20	Andrej	Invitation sent
74	YanJun Han, Jiantao Jiao, Tsachy Weissman, and Yi Han	Optimal rates of entropy estimation over Lipschitz balls	Annals of Statistics	6-dec.-20	Andrej	Invitation sent

Oct-Dec 2020 Jan-Mar 2021 Apr-Jun 2021

Tukaj vnesite izraz za iskanje

15:53 21. 03. 2021

How YoungStatS „works“?

One World YoungStatS - Topics, Speakers, Dates ☆ 📅 📁

Datoteka Urejanje Ogled Vstavi Oblika Podatki Orodja Dodatki Pomoč [Dokument je nazadnje spremenila oseba Imke Mayer pred 11 dnevi](#)

One World YoungStatS - Topics, Speakers, Dates

Topic of the webinar	Proposed speakers (usually 3)	Proposed discussant	Moderator
Advances in statistical modelling of Covid-19	Cécile Tran Kiem (Institut Pasteur); Pierfrancesco Alaimo Di Loro & Marco Mingione (StatGroup-19)	Jean-Stéphane Dhersin (Université Sorbonne Paris Cité)	Proposed
Latent nested nonparametric priors in Bayesian modelling	Marta Catalano, Francesca Panero, Sally Paganin	Federico Camerlenghi (University of Milano-Bicocca)	
ABC methods (possibly in relationship to the upcoming ABC)	Irene Tubikanec, Ivis Kerama, Clara Grazian	Dennis Prangle / Umberto Picchini	
Novel regression perspectives in functional data analysis	Alvaro Gajardo (UC Davis); Alexander Petersen (UC Santa Barbara)	Dominik Liebl	
Graph distances in random planar maps	Xin Sun (UC San Diego); Nina Holden (ETH Zurich)	Gesine Reinert	
Novel machine learning perspectives in causal inference	Yixin Wang (Columbia University), Costanza Tortu (École Polytechnique), Janine Witte (Leibniz Institute Bremen), Ioana	Peter Bühlmann / Fabrizia Mealli	
Missing values in high-dimensional data analysis	Marine Le Morvan (INRIA), Nicole Erler (Erasmus Medical Center Rotterdam)	Pavlo Mozharovskiy	
Dynamic network analysis	Batiste Le Bars (ENS Paris-Saclay, Sigfox)		
Bayesian computation and inference in high-dimensions?	Achille Thin (École Polytechnique), Leonid Iosipoi (Higher School of Economics, Moscow)		
Advances in objective priors and scoring rules		Fabrizio Leisen	
Composite-Based Structural Equation Models	Manuel Rademaker, Tamara Schamberger, Florian Schubert	Theo K. Dijkstra / Jörg Henseler	
Approaches to maximum likelihood estimation in algebraic statistics	Orlando Marigliano, Eliana Duarte, Robin van der Veer	Bernd Sturmfels	
PROPOSALS WELCOME, PLEASE INSERT THEM IN THE SHEET			

Tukaj vnesite izraz za iskanje

How YoungStatS „works“?

Browser tabs: (565) Roundcu x (1) T-2 Spletno x Zlata plaketa s x Andrej Srakar x Inštitut za eko x Re: Invitation - x One World Pro x Slack | general x Young Statisti x

Address bar: https://mail.google.com/mail/u/0/?ogbl#search/efron/FMfcgwxKjwxSVBsVZPfzBvGkMJSjfr

Gmail interface:

- Search: Iščite po pošti
- Left sidebar: Novo, Prejeto (57), Z zvezdico, Preloženo, Poslano, Osnutki (41), Več, Meet (Nov sestanek, Moji sestanki), Hangouts (Andrej)
- Right sidebar: 11 od 12, calendar, contacts, etc.

Email details:

- Subject: Re: Invitation - Contribution for the recently founded YSE YoungStatS Blog
- From: Bradley Efron <efron@stanford.edu>
- To: Andrej Srakar <andrej.srakar@ef.uni-lj.si>
- Date: Friday, December 11, 2020 at 2:33 PM
- Subject: Invitation - Contribution for the recently founded YSE YoungStatS Blog

Body text:

Andrej,

How long a blog is typical?

Brad Efron

Dear Prof. Efron,

Let me first introduce. In cooperation with Young Statisticians Europe (YSE) we are coordinating the YoungStatS Blog and Online Seminar, aimed at presenting and promoting the recent research findings in any area of statistics. It is a joint initiative with representatives of young sections of national statistical associations in Europe under the framework of FENStatS (The Federation of European National Statistical Societies).

I have noted that you have recently (with Prof. Narasimhan – whose email I was unable to find) published a paper with the title: "The Automatic Construction of Bootstrap Confidence Intervals" in the *Journal of Computational and Graphical Statistics*.

As a co-editor of YoungStatS Blog, I would like to invite you to contribute with a small blog post explaining your research to a wider audience.

YoungStatS is set up to promote research in statistics in its broadest sense, encompassing all of its areas and applications, among other mathematical statistics and probability, official statistics, biostatistics and medical statistics, social statistics, economic statistics and econometrics, environmental statistics, statistics in natural sciences, data science and survey methods.

The blog is set up as part of general YSE initiative and is targeted at a wide audience, oriented toward young researchers and scholars in statistics, but also research community in statistics in general.

Why is YoungStatS so important? Blog

- Currently no similar blog project – while there are many statistical blogs (among the most known are blogs of Andrew Gelman and Christian P. Robert)
- Such blog brings significantly enhanced possibilities for the presentation of recently published work in any area of statistics, probability and econometrics
- Possibilities are wide: invitations could come for recent articles from journals, for books or book chapters, for the arxiv and similar working papers, for recent conference presentations (we had good experience with invitations in the time of CFE-CMStatistics 2020 as well as the recent SEM Working Group Meeting conferences), and even for still unpublished work
- There is also possibility of topical blocks: we are currently featuring one from compositional data analysis
- Responses so far are great, it seems the readership is there, but we are currently experiencing some pandemic related problems (as reported also by the authors: overburdeness, fatigue and similar problems)
- We are also still experimenting with the „composition“ of topics: on the one hand, we have decided to broadly divide the posts into: statistics and data science – theory; statistics and data science – applications; probability; econometrics; biostatistics and Covid-19
- Another (very important) question: **to which extent provide the focus on younger scholars?**

Why is YoungStatS so important? One World webinars

- Webinars were originally (Bucharest) not intended in the project, but now form a second key ingredient
- Here, there is a more specific focus on presentations from young scholars
- Focus on younger scholars was also an idea of Leif Döring, and we were in previous discussions with the supposed organizers of One World Statistics (Edgar Dobriban) who provided additional suggestions
- Idea and structure: each time, two or three interesting young scholars present their research work on a selected topic; there is a discussant – more established scholar; basic framework follows Online Causal Inference seminar (OCIS) with more scholars presenting
- Monthly frequency
- Initial webinar took place on the topic of Recent Advances in Modelling Covid-19 with good attendance
- Next webinar: April 21, latent nested nonparametric priors, speakers: Marta Catalano, Francesca Panero and Sally Paganin, discussant: Federico Camerlenghi
- Some webinars in preparation: functional data analysis; citizen science and genomic statistics; causal inference and machine learning; concentration inequalities (cooperation with the Young Researchers Committee of the Bernoulli Society); composite structural equation models (Florian Schuberth – University of Twente)
- A platform for presentation of work of young scholars in statistics, probability and econometrics, addressing a large gap in present state of the statistics – we therefore expect very good responses here in the future as well
- One World label: another attractive feature of the webinars

Future cooperations – already in discussion



Institute of Mathematical Statistics

Fostering the development and dissemination of the theory and applications of statistics and probability



The Econometric Society

An International Society for the Advancement of Economic Theory in its Relation to Statistics and Mathematics

THANK YOU FOR LISTENING (AND POSSIBLE COMMENTS)!

srakara@ier.si

christian.capezza@unina.it