YOUNG STATISTICIANS EUROPE

FENStatS
Federation of European National Statistical Societies

Bernoulli Society
for Mathematical Statistics and Probability

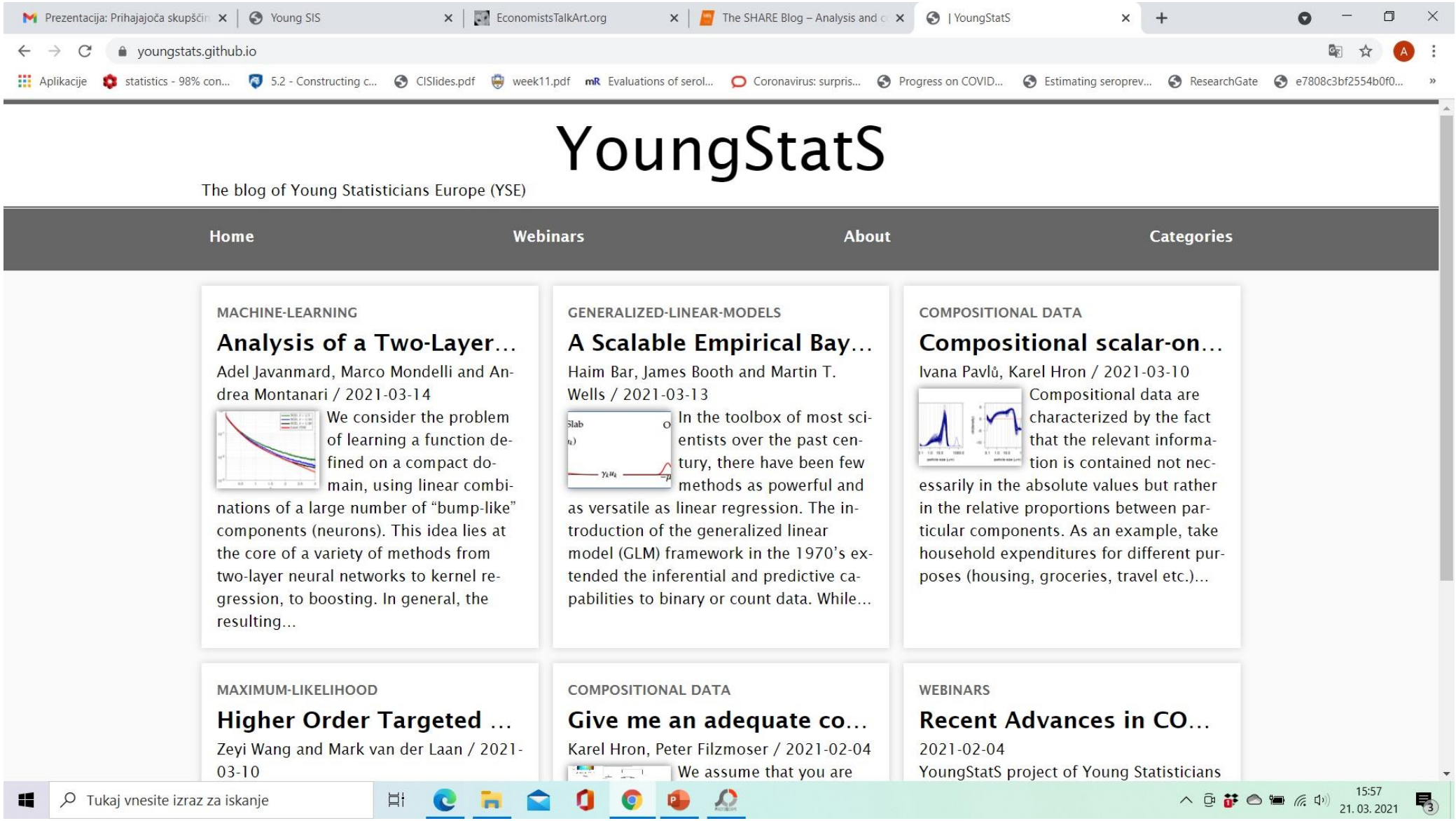
How to awake statistics after the pandemic time? YoungStatS project and Young Statisticians Europe

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



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

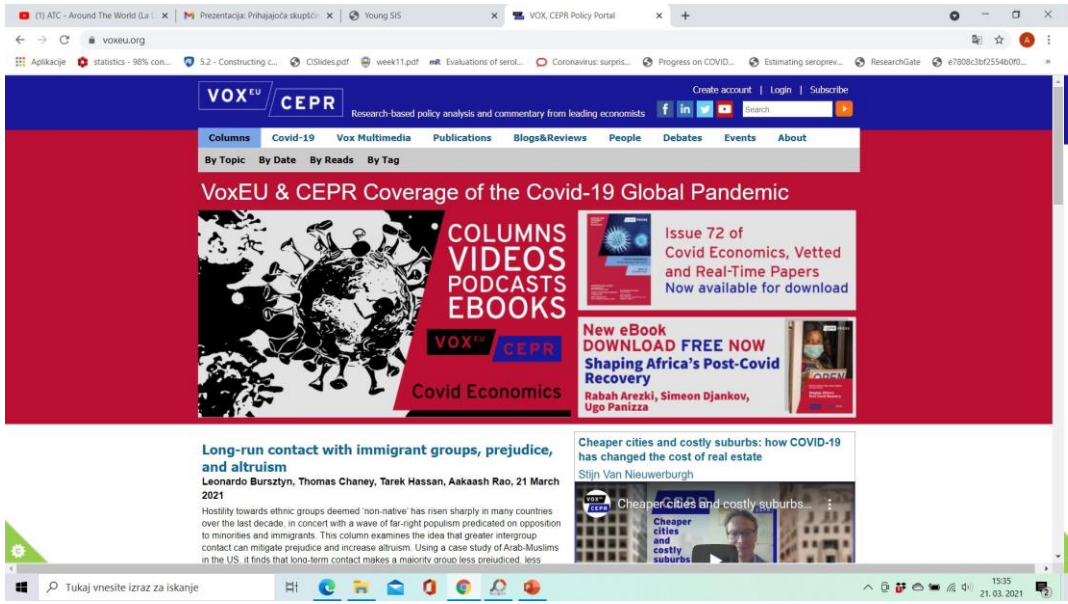
1-2 November 2019
Bucharest, Romania

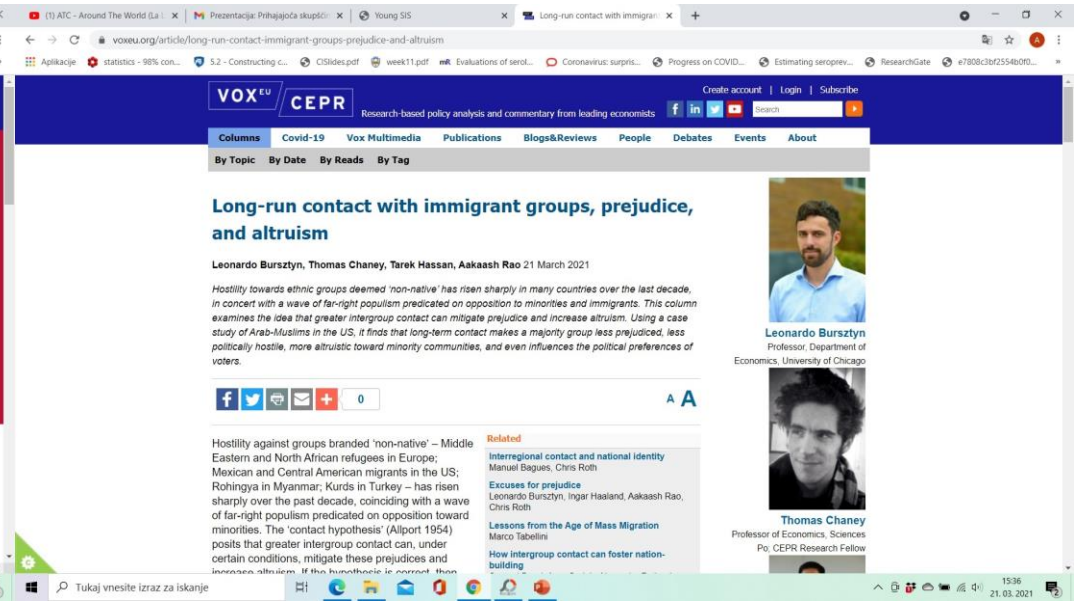
Bucharest University of Economic Studies–Faculty of Cybernetics, Statistics and Economic Informatics
ROOM 2416

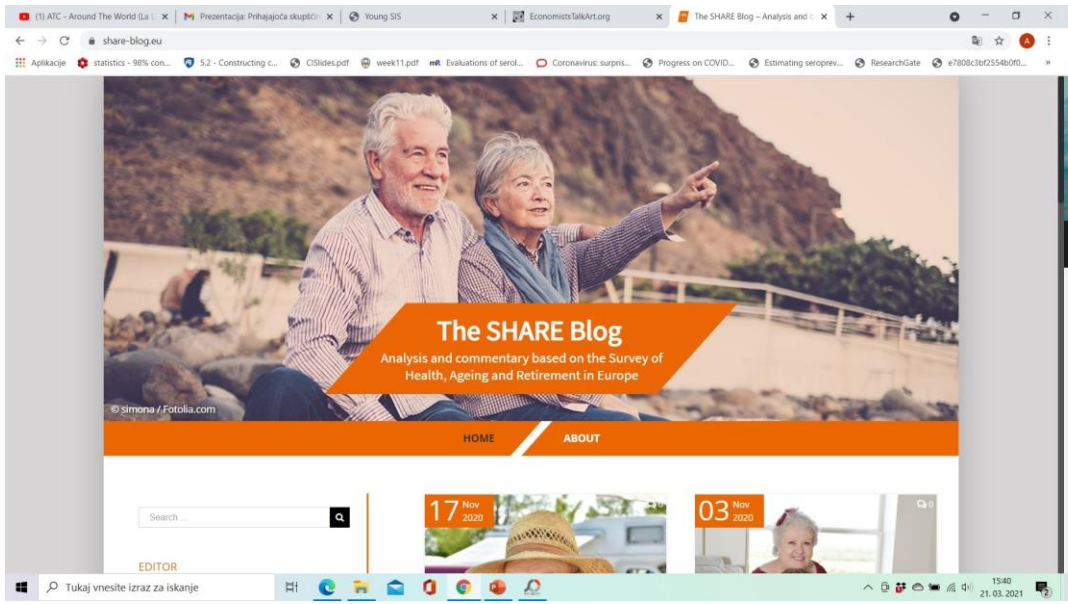
Friday 1st November	
9^{00}—9^{15}	Registration
9^{15}-11^{00}	Opening Short presentation of Young Statisticians Europe Group and Short presentation of Young Statisticians Europe Groups from Belgium, France, Finland, Hungary, Ireland, Romania, Slovenia
11^{00}-11^{30}	Coffee/Tea break
11^{30}-11^{45}	Modibo Diabaté— "Modeling of melanoma (cancer) dynamics and parameter estimation in this cancer model"
114^{5}-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^{45}-12^{30}	Simona Cojocea—"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*

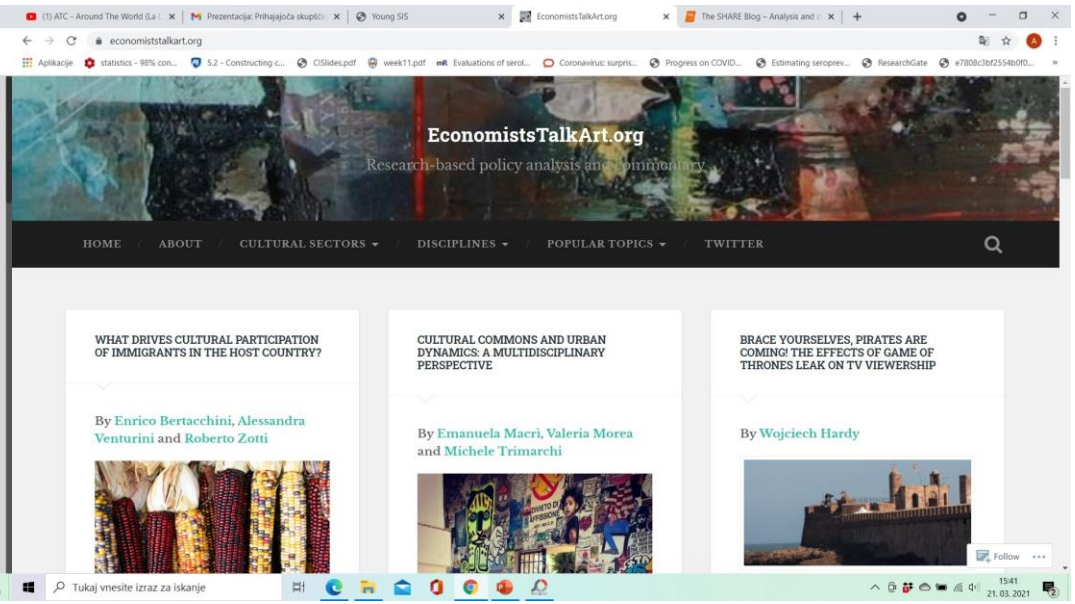
* costs covered by participants

The idea of the project

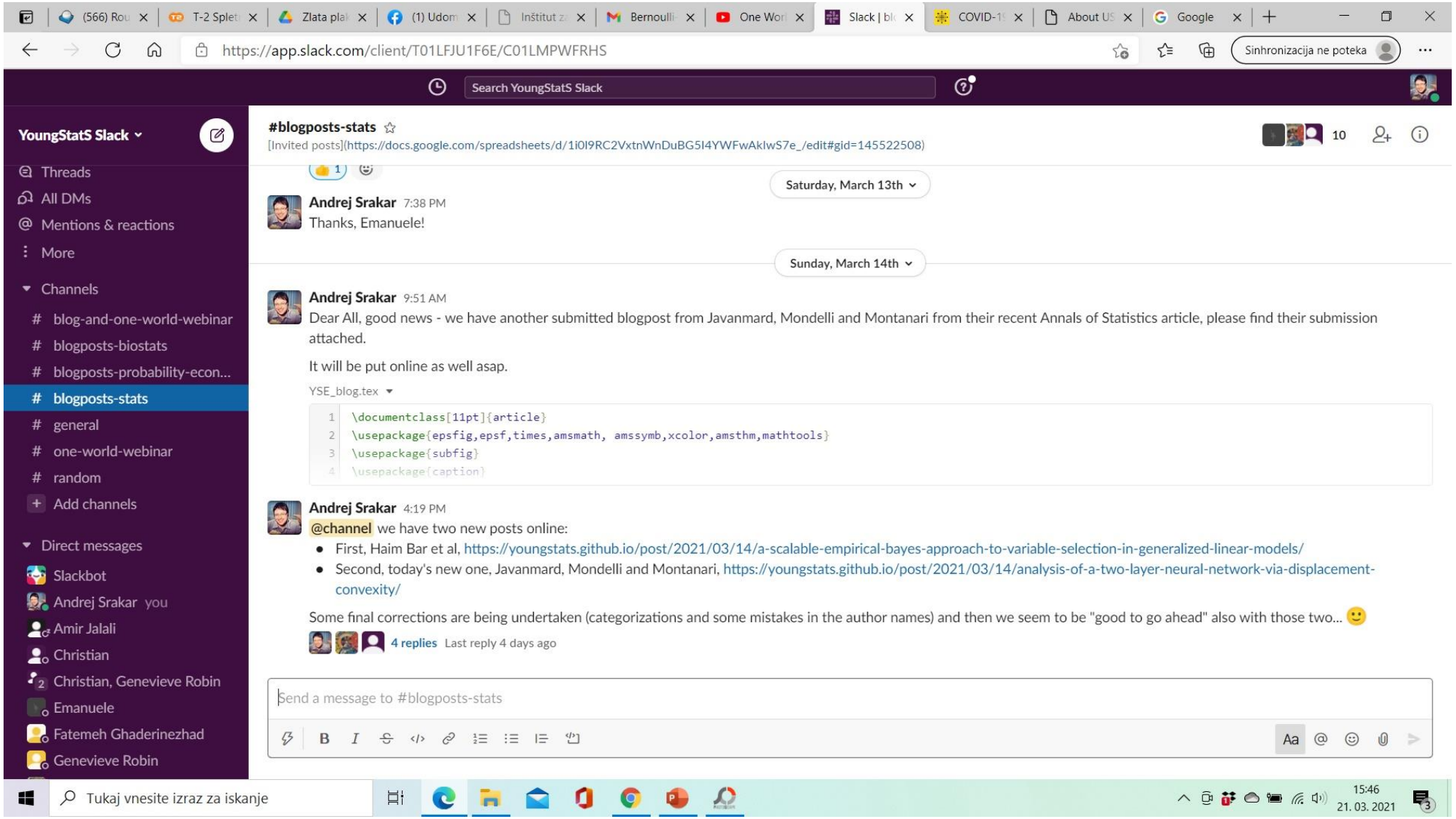








How YoungStatS „works“?



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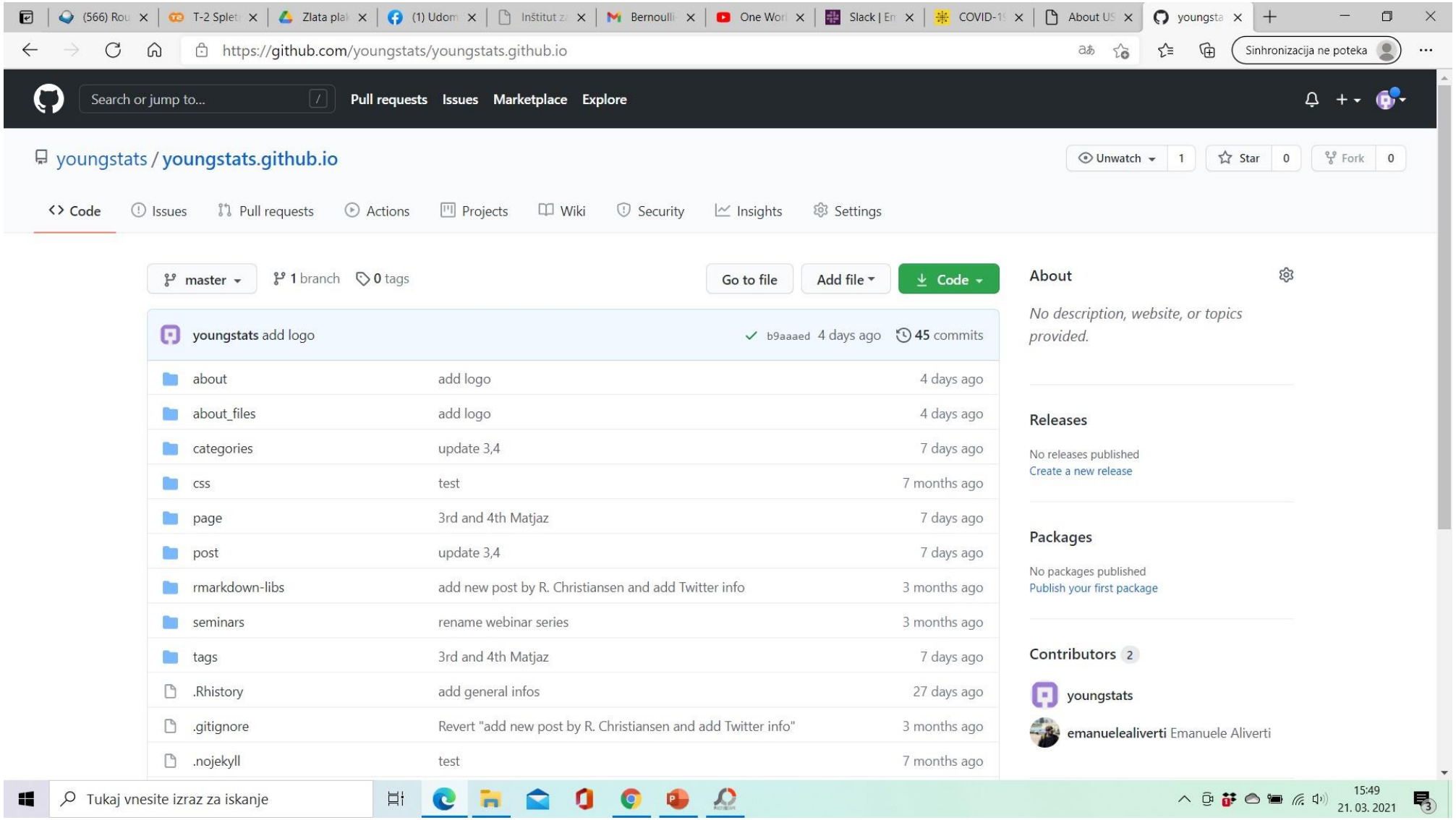

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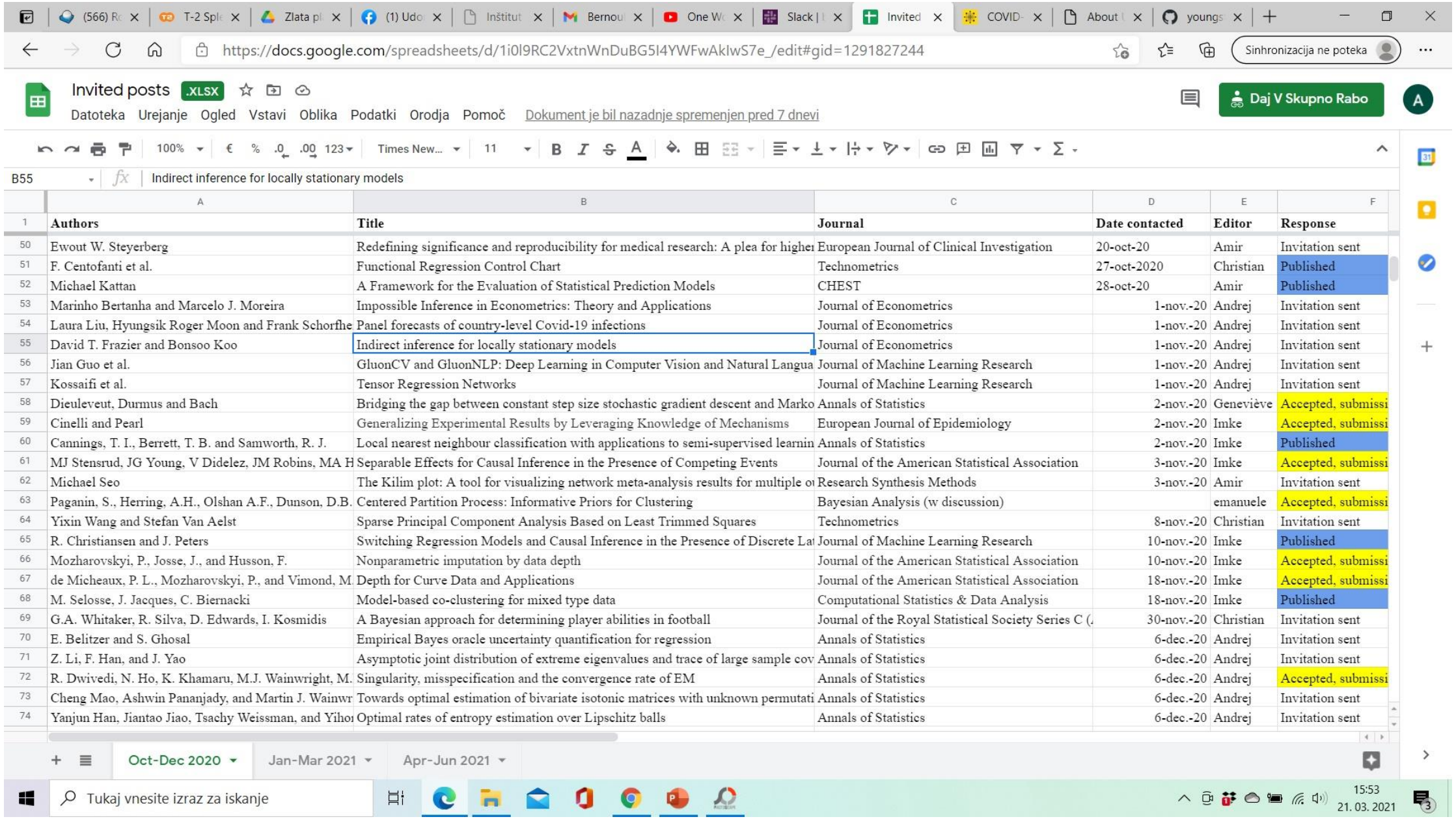


https://docs.google.com/spreadsheets/d/1i0l9RC2VxtnWnDuBG5I4YWFwAkIwS7e_/edit#gid=1291827244

Invited posts .XLSX

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

Daj V Skupno Rabo

B55 | Indirect inference for locally stationary models

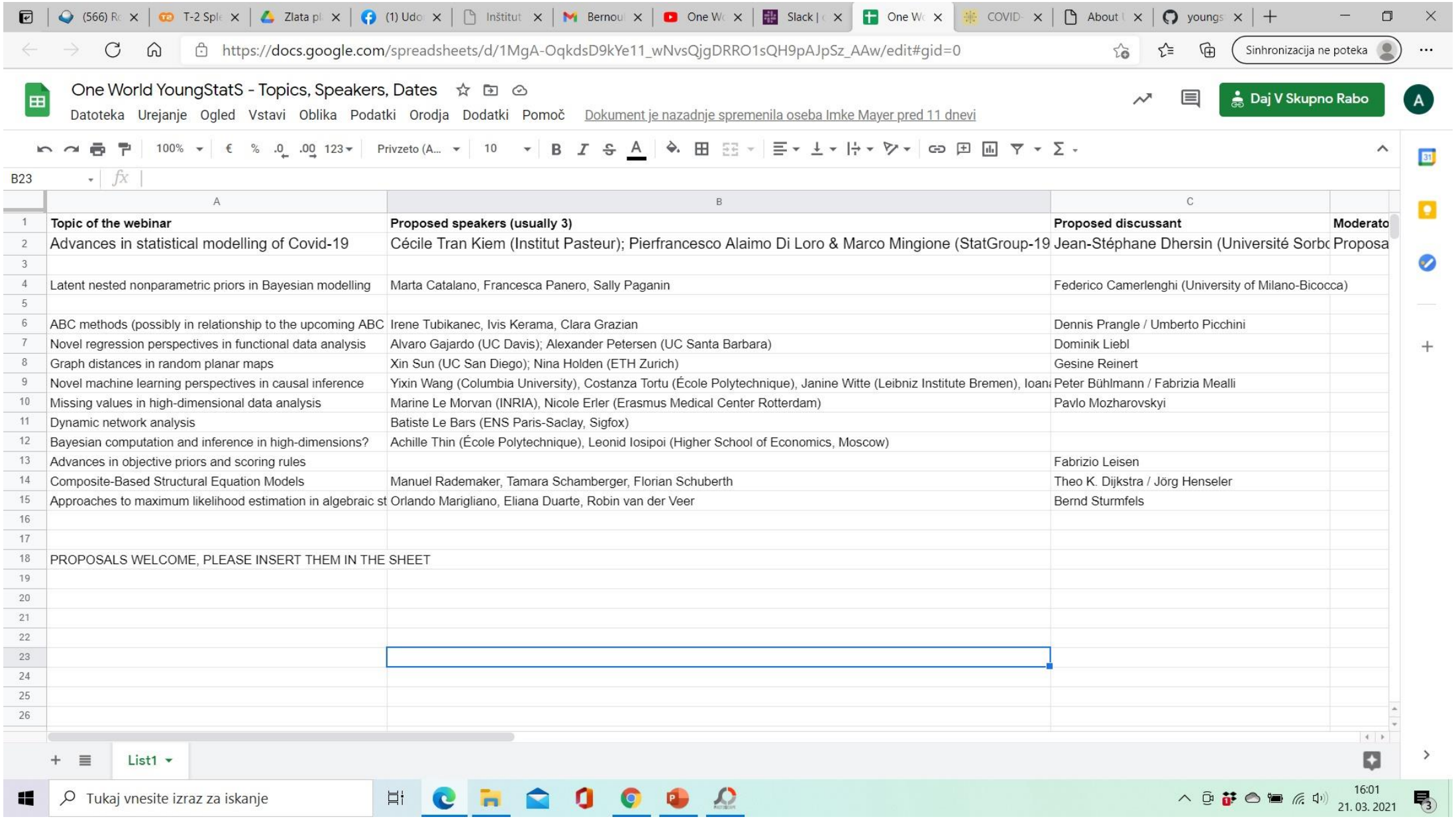
	Authors	Title	Journal	Date contacted	Editor	Response
50	Ewout W. Steyerberg	Redefining significance and reproducibility for medical research: A plea for higher	European Journal of Clinical Investigation	20-oct-20	Amir	Invitation sent
51	F. Centofanti et al.	Functional Regression Control Chart	Technometrics	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 Schorfhe	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 Langua	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 Marko	Annals of Statistics	2-nov.-20	Geneviève	Accepted, submissi
59	Cinelli and Pearl	Generalizing Experimental Results by Leveraging Knowledge of Mechanisms	European Journal of Epidemiology	2-nov.-20	Imke	Accepted, submissi
60	Cannings, T. I., Berrett, T. B. and Samworth, R. J.	Local nearest neighbour classification with applications to semi-supervised learnin	Annals of Statistics	2-nov.-20	Imke	Published
61	MJ Stensrud, JG Young, V Didelez, JM Robins, MA H	Separable Effects for Causal Inference in the Presence of Competing Events	Journal of the American Statistical Association	3-nov.-20	Imke	Accepted, submissi
62	Michael Seo	The Kilim plot: A tool for visualizing network meta-analysis results for multiple ou	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, submissi
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 Lat	Journal of Machine Learning Research	10-nov.-20	Imke	Published
66	Mozharovskyi, P., Josse, J., and Husson, F.	Nonparametric imputation by data depth	Journal of the American Statistical Association	10-nov.-20	Imke	Accepted, submissi
67	de Micheaux, P. L., Mozharovskyi, P., and Vimond, M.	Depth for Curve Data and Applications	Journal of the American Statistical Association	18-nov.-20	Imke	Accepted, submissi
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 (A	30-nov.-20	Christian	Invitation sent
70	E. Belitzer 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 cov	Annals of Statistics	6-dec.-20	Andrej	Invitation sent
72	R. Dwivedi, N. Ho, K. Khamaru, M.J. Wainwright, M.	Singularity, misspecification and the convergence rate of EM	Annals of Statistics	6-dec.-20	Andrej	Accepted, submissi
73	Cheng Mao, Ashwin Pananjady, and Martin J. Wainwr	Towards optimal estimation of bivariate isotonic matrices with unknown permutati	Annals of Statistics	6-dec.-20	Andrej	Invitation sent
74	Yanjun Han, Jiantao Jiao, Tsachy Weissman, and Yiho	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“?



https://docs.google.com/spreadsheets/d/1MgA-OqkdsD9kYe11_wNvsQjgDRRO1sQH9pAJpSz_AAw/edit#gid=0

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

Daj V Skupno Rabo

	A	B	C
1	**Topic of the webinar**	**Proposed speakers (usually 3)**	**Proposed discussant**
2	Advances in statistical modelling of Covid-19	Cécile Tran Kiem (Institut Pasteur); Pierfrancesco Alaimo Di Loro & Marco Mingione (StatGroup-19	Jean-Stéphane Dhersin (Université Sorbo
3			
4	Latent nested nonparametric priors in Bayesian modelling	Marta Catalano, Francesca Panero, Sally Paganin	Federico Camerlenghi (University of Milano-Bicocca)
5			
6	ABC methods (possibly in relationship to the upcoming ABC	Irene Tubikanec, Ivis Kerama, Clara Grazian	Dennis Prangle / Umberto Picchini
7	Novel regression perspectives in functional data analysis	Alvaro Gajardo (UC Davis); Alexander Petersen (UC Santa Barbara)	Dominik Liebl
8	Graph distances in random planar maps	Xin Sun (UC San Diego); Nina Holden (ETH Zurich)	Gesine Reinert
9	Novel machine learning perspectives in causal inference	Yixin Wang (Columbia University), Costanza Tortu (École Polytechnique), Janine Witte (Leibniz Institute Bremen), Ioan	Peter Bühlmann / Fabrizia Mealli
10	Missing values in high-dimensional data analysis	Marine Le Morvan (INRIA), Nicole Erler (Erasmus Medical Center Rotterdam)	Pavlo Mozharovskyi
11	Dynamic network analysis	Batiste Le Bars (ENS Paris-Saclay, Sigfox)	
12	Bayesian computation and inference in high-dimensions?	Achille Thin (École Polytechnique), Leonid Iosipoi (Higher School of Economics, Moscow)	
13	Advances in objective priors and scoring rules		Fabrizio Leisen
14	Composite-Based Structural Equation Models	Manuel Rademaker, Tamara Schamberger, Florian Schuberth	Theo K. Dijkstra / Jörg Henseler
15	Approaches to maximum likelihood estimation in algebraic st	Orlando Marigliano, Eliana Duarte, Robin van der Veer	Bernd Sturmfels
16			
17			
18	PROPOSALS WELCOME, PLEASE INSERT THEM IN THE SHEET		
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21. 03. 2021

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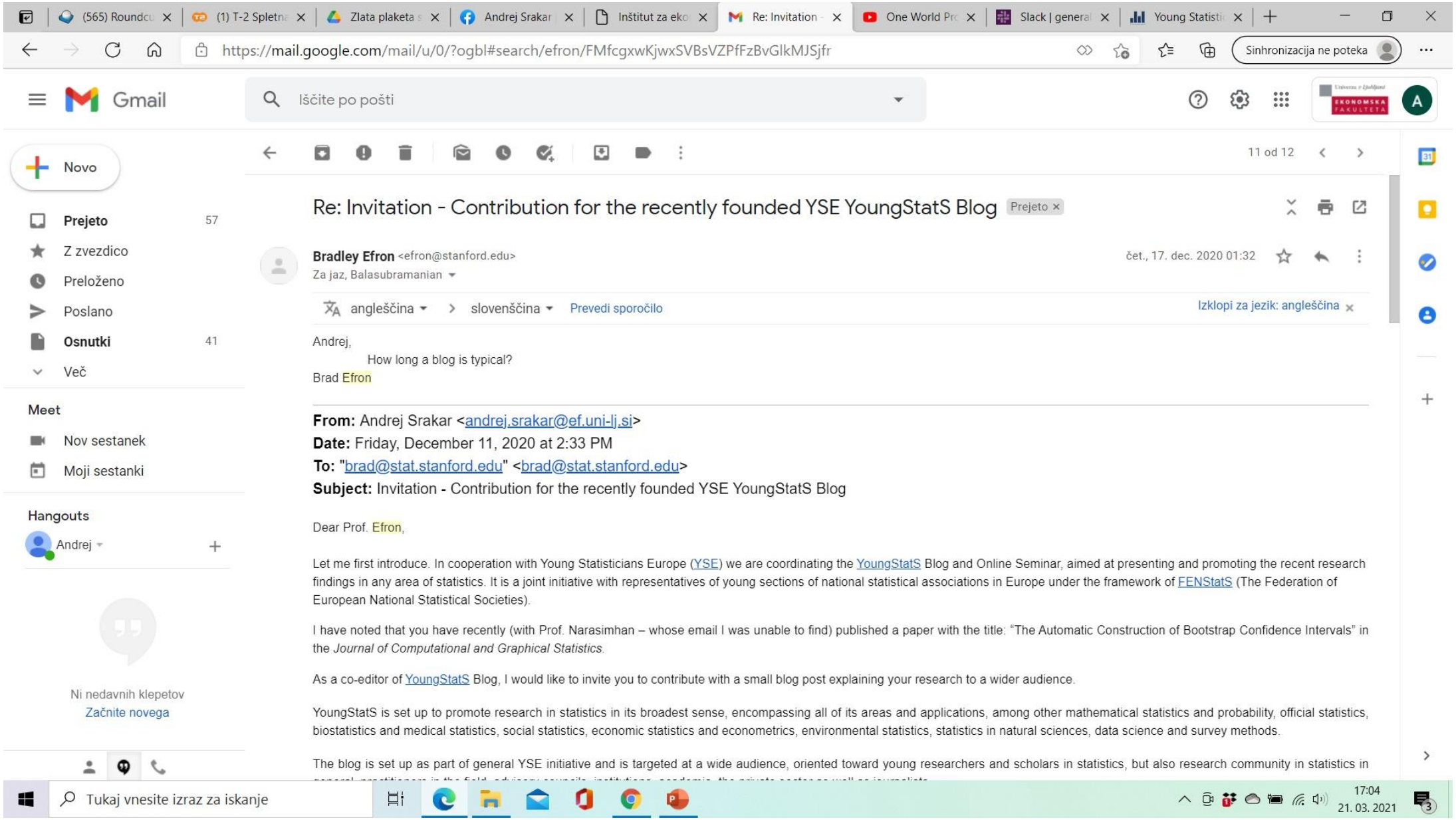

Why is YoungStatS so important? Blog

- 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

THANK YOU FOR LISTENING (AND POSSIBLE COMMENTS)!

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