STRATOS @Lorentz center
Leiden
September 16-20 2024

STRATOS accelerated guidance for real world data analysis

Organizers: Els, Nan,James, Pamela, Willi

What and why: 16-20 September

Lorentz Center Leiden-> 55 stratos members with juniors get together

- Continue and further Within Topic groups work

- Advance Cross Topic STRATOS developments

- Set the course for the next 3 years

- 4 Key themes: connect

Guidance: **Further insight – tutorials – case studies – courses -** *research papers – videos -outreach – network*

Our application to the Lorentz Center

- Successful -> nice premises and admin help (Thank you Yanday!)

- We foresee joint lunches everyday (sponsored) -> Tuesday in pairs

- Welcome reception on the Monday evening (by Lorentz)

- Conference dinner in town on the Wednesday evening

Our Program

- Plenary sessions

- Key theme pitches (Monday) -> planning within TG

- 1 hour presentation per key theme (one per day)

- 1 debate: `Dissemination on statistical guidance to level 1 researchers'

- Within topic groups work: 7.5 (9.5) hours scheduled

- Work on key themes: 7.5 (9.5) hours scheduled

- 2.5 + 2 Feedback and planning sessions

Extra's

- Mini-cv's on the wall on Monday for practical introductions

- Posters in the corridor for research communication

- Office space per 3-4

- Breakout rooms are available also in the evening

- There is equally a meeting room at the Van der

About the 4 key themes

- T1: **Combining** Machine Learning with Statistical Methods

    Aris, Maarten, Anne

- T2: Estimands and time-to-event analysis

    Saskia and Kelly

- T3: Simulation studies: how to generate synthetic datasets?

    Georg, Sabine, Tim

- T4: Developing an open-source case study dataset

	Mon	Tue	Wed	Thu	Fri
9:00 – 10.00 .	9.00-9.45 walk-in 9.45-10.00 Welcome from Lorentz center 10.00-10.30 STRATOS news Aims for the week	Presentation + discussion key theme 2*: `Estimands and time to event analysis'	Presentation + discussion key theme 3*: `Simulation studies: how to generate synthetic datasets?'	Presentation + discussion key theme 4*: `Curation plan for case study data '	Plenary Feedback parallel working sessions on key themes
Break 10:00-10.30					
10.30-12.30	10.30-11.30 Four pitches on key themes	10.30-11.00 STRATOS-wide topics	10.30-11.00 STRATOS-wide topics	10.30-11.00 STRATOS-wide topics	What have we learned / what are next steps / action points?
	11.30-12.30 Presentation + discussion key theme 1*: `Machine Learning'	11.00-12.30 Parallel working sessions on key themes	11.00-12.30 Parallel working sessions on key themes	11.00-12.30 Parallel working sessions on key themes	
Lunch 12:30-14:00		Mentor-mentee lunches			

14.00-15.00	TGs discuss and distribute their ideas for the key themes	Continue on key themes	Or work in TGs	Continue on key themes	Or work in TGs	Continue on key themes	Or work in TGs	END
Break 15:00-15.30								
15:30-16:30	Parallel working sessions on key themes	TG-specific progress and completion of existing projects		TG-specific progress and completion of existing projects		TG-specific progress and completion of existing projects		
16:30-17:30	Parallel working sessions on key themes	Short presentations from each TG and some panels		TG-specific progress and completion of existing projects		TG-specific progress and completion of existing projects		
17:30-19:00	Welcome reception	TG-specific progress and completion of existing projects		Debate: `Dissemination of statistical guidance to level 1 researchers'*		TG-specific progress and completion of existing projects		
1900-				Workshop dinner in town				

Monday 16th Sept 11:30-12:30 CEST

Combining Machine Learning with Statistical Methods

    11.30-12.00   Stijn Vansteelandt (Ghent University, BE) 20'+10'

        'Causal machine learning'

    12.00-12.30   Maarten Van Smeden (UMC Utrecht, NL) 20'+10'

        'Predictive machine learning'

    Discussant Lisa McShane (National Cancer Institute, USA)

Chairs: Aris Perperoglou (GSK, UK) and Anne de Hond (UMC Utrecht, NL)

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