STRATOS Leiden FU meeting Conference call

Looking forward…

2025-01-27 (Monday), 3.00 – 5.00 pm UK time

Leiden meeting September 15-19

1.1 A succesfull Lorentz meeting

- Positive feedback on a stimulating meeting
  - Exchange of ideas, progress made, good infrastructure
- Presentations + collaboration within and **between topic groups**
- Posters and a poster sessions worked well
  - Lunch meeting junior-senior pairs too
  - More structured program for youngsters ?
- Collaborative grant applications ? (Cecile and Maja -> see 9.2)
- More 'free' time and a social activity next time?
- Anticipated application for guest member status

1.2a Main topics of STRATOS

Leiden - 4 central future-oriented themes needing research

1. Combining Machine Learning with Statistical Methods

2. Estimands and time-to-event analysis

3. Simulation studies: how to generate synthetic datasets?

4. Developing an open-source case study dataset

1.2b Main topics of STRATOS

Six foci for next three years – (Biometrical Bulletin 4/2023)

1. Simulation studies
2. Open Science
3. Initial data analysis
4. Machine learning (ML) enhanced statistical methods
5. Estimands in observational data analysis
6. More guidance for researchers with limited knowledge and experience

1.3 Material on internal website

- We requested updated slides – including planned projects   (@ and since the Lorenz meeting)

- Nice and comprehensive summary on estimands theme (Saskia) -> as a good example

- On internal website: **USER:** Stratos **PASSWORD:** Stratos2023

- If more material available -> please send to Willi

2. Four main topics (max. 10 (5+5) minutes for each)

1. Combining Machine Learning with Statistical Methods

2. Estimands and time-to-event analysis

3. Simulation studies: how to generate synthetic datasets?

4. Developing an open-source case study dataset

Part II More general issues and information

More general issues and information

3. Meetings (5 min)

3.1 BIRS meeting (2026, in Banff) applied for but not (yet) granted

Any other suggestions for meeting places?

3.2 DAGStat (March 24-28; 16 German Societies). Invited session approved.

3.3 Half-day MS at ISCB in Basel, August 24-28, 2025

- 60 minutes about the **phases project from the simulation panel.**

- Which **other group/project** is interested to present?

3.4 Invited session at JSM (August 2 -7). Organized by Pam

3.5 IBS in Seoul July 2026

- Should send STRATOS proposal for an invited session. Who wants to lead the application?

4. Biometric Bulletin (10 min)

- Paper about the Estimand topic in Leiden will appear soon (4/2024).

- A **new BB article** is **needed soon:**
  - One of the main topics in Leiden?
  - Estimand paper as example?

5. STRATOS membership (5 min)

5.1 Inactive members: Clarified in TG2. Other TGs and panels should discuss STRATOS membership with colleagues inactive for more than 2 years.

5.2 The group Clinical Affiliates. – 6 or 7 proposals. Invitations will be sent soon.

- Please send further proposals with motivation to Willi.

  • Willi, James and the proposer will start inviting some clinical colleagues with a stronger interest in STRATOS related work. There is a broad range of reasons for invitations; level 1 material is an obvious theme.

5.3 Membership on the website correct?

6. Specific TG or panel issues?

6.1 Glossary – TGs need to send 20+ terms with definitions (5 min)

by the end of March.

6.2 Deletion and changes of panels (10 min)

Bibliography and **Literature Review** are deleted.

- Changes **Knowledge Translation** and **Data Sets**. (Carsten Schmidt presents)

- Minor changes in the **Publication Panel** document)Pam Shaw presents)

6.3 Machine learning enhanced statistical methods? (5 min)

- Severe interest. Should we start a new panel or subpanel?
- **Proposal from SG:** we keep the option open for ML as a TG, but do not start without chairs ->   subtopic of TG9 for now?

7. Website (3 min

- Most TGs: link on general STRATOS website to a TG -specific website

- *all* TGs encouraged to update their website (each year).

  - Please add relevant papers

  - TG8 & TG9 no own website yet: can they build one?

  - For TG7 the link is currently broken (with host off due to illness)

- SG: website should not depend on 1 person
- Githib repository alternative, eg
  https://stratosida.github.io for TG3

        -> Marc Baillie

8. STRATOS papers

8.1 New STRATOS overview paper (10 min)

- We have an overview paper from 2014 and need to work on a related paper summarizing
- Each TG and some panels should write a bit less than one page.
- to be submitted on behalf of the STRATOS initiative, with ca. 30 co-authors.
- Plan: submission in late spring 2025

8.2 p-values (5 min)

Is being revised after Internal review comments

8.3 Level 1 overview of statistical series in medical journals (3 min)

By Jan 31: send an email to Willi if strongly interested to join the project.

Plan: submission early summer 2025.

9. Videos - Michael Wallace started a video channel

9.1 Videos for level 1 (5 min)

- thestratosinitiative@gmail.com is now set up and a skeleton channel (proof of concept): https://www.youtube.com/@TheSTRATOSInitiative

- Michael gave two short presentations in Leiden. See internal website

- Who is interested to join Michael?

➔ SG supports the idea of a representative for video in each TG.

9.2 Start a series of STRATOS presentations about published papers? (5 min)

- Every paper should be presented in a short talk of about 20 to 25 minutes. For longer papers, it may be preferable to split into two talks

10. Other topics

10.1 SAPI (2 min). Marianne Huebner et al.

- checklist for SAP for observational studies that accounts for initial data analysis and deviations from initial plans in one document

10.2 Grant applications (10 min)

- suggestion by Cecile and Maja to collaborate on grant applications.

- Very good idea. What can be done?

- Who is willing to lead an application?

11. AOB