UNIVERSITEIT TWENTE.

To: Dr. J.W. Polderman, Programme Director AM

From: Programme Committee AM (OLC-TW)

FACULTY OF ELECTRICAL ENGINEERING, MATHEMATICS AND COMPUTER SCIENCE

SUBJECT
Advice on the Data Science Track

The PC is enthusiastic about the plans for the new Data Science track. We think it is a clever choice using mostly existing courses and cross-linking the department.

While the over-arching description is good, we have a few suggestions, especially regarding the newly proposed courses:

- It is better to mention the chair rather than the person for a graduation committee.
- Spatial Statistics; The text supplied is nice as a description yet the learning goals are missing. They need to be formulated in the form "after the course the student is able to...". The entry requirement is too vague. It is better to list courses such that students can check whether they meet the requirements. We do not see a motivation why the lectures should be obligatory.
- Complex Networks; In general, this course received few comments and we advice positively about it. We suggest though that the last learning goal is revised, and that courses are mentioned to specify prerequisites. Also they cannot be optional, but they may be useful or recommended.
- Deep Learning; while we like the idea of such a course we think this course' description needs to be expanded. What we are missing are learning goals such that the description leads logically to topics to teach these. Now the topics mentioned seem sometimes unconnected and too ambitious. We are looking forward to a discussion of the next version.

We therefore give a positive advice to this track in general, including the course Complex Networks. We request though that new course descriptions for Spatial Statistics and Deep Learning are formulated for discussion by the PC.

Kind regards,

Hil Meijer,
chair Programme Committee AM