

Hands-on Tutorial on Optimization

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Final Assignment

Problem: Time Tabling

- ▶ Four study programs Informatik, Wirtschaftsinformatik, Digitale Medien, and Systems Engineering
- ▶ Different types of modules: BM, BB, BA, MM, MB, and MA
- ▶ Different types of courses: lectures and tutorials, seminars
- ▶ Assign the courses to rooms and time slots while meeting certain conditions

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- ▶ Time: 5 days for modeling, implementing, commenting, and writing the report
- ▶ Mode of presentation: Final report & presentation
- ▶ Problem definition and data: on our homepage

Model and GAMS Code

- ▶ Roughly 3 days to come up with the model and the implementation
- ▶ Comment your code
- ▶ Send no later than October 11, 2018 including all the data files you used (in one zip folder per team). If we cannot run it on our system because data is missing, we won't grade it.

- ▶ Roughly 2 days to write up
- ▶ Between 5 and 10 pages
- ▶ State your model, including an explanation for the sets, parameters, variables, ...
- ▶ Answer the questions from the exercise sheet
- ▶ Send the final PDF per e-mail no later than October 11, 2018

Final presentation

- ▶ NO slides needed
- ▶ Prepare to explain your model and the code
- ▶ Answer questions about your model, your code, ...
- ▶ Between 20 and 40 minutes per team
- ▶ Fix a date with us for the first two weeks of the semester - either now or by e-mail during the upcoming week

Any questions?