MTAT.03.277 Research Seminar in Data Mining

How to pass this course

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Why this course?

- I need to graduate but do not know how
  - We introduce potential supervisors
  - We introduce potential thesis topics
  - We explain how academic research is done

- I am not sure whether a topic works out
  - You can try out on small scale
  - You get direct feedback on the plan
  - You get at least 3 ETC for trying

- I am too lazy to start writing a thesis right now
  - We provide intermediate deadlines
  - The course structures your academic research
How to pass the course?
What are the topics?

- Theory
  - Advanced Statistics
  - Machine learning
- Academic research
  - Neuroscience
  - Bioinformatics
- Engineering
  - Big Data
  - Robotics
  - Self-driving
  - Medical data mining
  - Geo data mining
What are the topics?

- Object complexity
- Training data size
- Neuroscience
- Bioinformatics
- Medical records
- NLP
- Radar imaging
- Robotics (SI)
- Finance
- Medical bills
- Geo mining
What are the topics?

- Description tasks
  - Bioinformatics
  - Neuroscience

- Prediction tasks
  - Medical data
  - Geo mining
  - Robotics (SI)
  - NLP
  - Finance
  - Radar imaging
What are the topics?

- Bioinformatics
- Neuroscience
- Medical data

- NLP

- Geo mining
- Robotics (SI)
- Radar imaging

- Finance

Background knowledge

Statistical knowledge
How do I contact supervisors?

Try

▷ https://courses.cs.ut.ee/2020/dmseminar/fall/Main/Contacts
▷ https://www.cs.ut.ee/et/kontakt/arvutiteaduse-instituut
▷ https://www.google.com/

If this fails contact me!