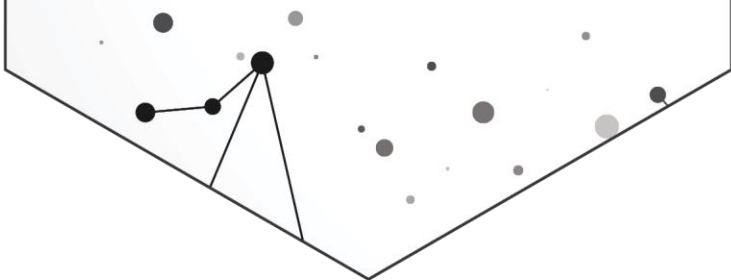


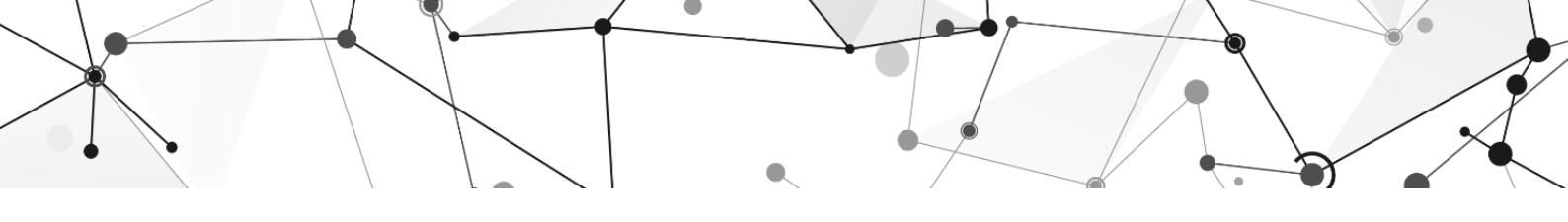
Workshop 2

Data structures and large data sets
Oral communication
Open science and data sharing
Responsible Research Innovation
Gender bias



CCSE, UiO
5 - 9 February





CompSci Workshop 2 – Data structures and large data sets, Oral communication, Open science and data sharing, Responsible Research Innovation, Gender bias

Programme

Monday, 5 February

08:00 **Welcome to the workshop**

[Tone Skramstad](#), Head of office, Center for Computing in Science Education (CCSE), University of Oslo

08:05 **Introduction to data structures and large data sets – Talk**

[James Richard Catmore](#), Researcher, Department of Physics, University of Oslo
[Eirik Gramstad](#), Researcher, Department of Physics, University of Oslo

10:45 **Break**

11:00 **Simple particle physics data in Pandas – Practical session**
Ragged data structures – Practical session

[James Richard Catmore](#), Researcher, Department of Physics, University of Oslo
[Eirik Gramstad](#), Researcher, Department of Physics, University of Oslo

12:30 **Lunch**

13:15 **Advance particle physics data structures (PHYSLITE format) – Talk and practical session**

[James Richard Catmore](#), Researcher, Department of Physics, University of Oslo
[Eirik Gramstad](#), Researcher, Department of Physics, University of Oslo

15:15 **Break**

15:30 **FRONT and Gender bias**

[Marthe Amundsen](#), Senior Adviser, FRONT, University of Oslo
[Susann Andersen](#), Adviser in the HR section, The Faculty of Mathematics and Natural Sciences

17:30 **End**

Tuesday, 6 February

- 08:00** **Particle physics data analysis techniques – Talk**
[James Richard Catmore](#), Researcher, Department of Physics, University of Oslo
[Eirik Gramstad](#), Researcher, Department of Physics, University of Oslo
- 10:45** **Break**
- 11:00** **Practical sessions on: scaling out to many compute cores, metadata, and running a full analysis workflow**
[James Richard Catmore](#), Researcher, Department of Physics, University of Oslo
[Eirik Gramstad](#), Researcher, Department of Physics, University of Oslo
- 12:30** **Lunch**
- 13:15** **Responsible Research Innovation**
Responsible? I am responsible! – A primer why researchers should care about politics and responsibility
[Anders Braarud Hanssen](#), Senior Adviser, Faculty of Technology, Arta and Design, Oslo Metropolitan University
- 15:15** **Break**
- 15:30** **Responsible Research Innovation**
Responsible? I am responsible! – A primer why researchers should care about politics and responsibility
[Anders Braarud Hanssen](#), Senior Adviser, Faculty of Technology, Arta and Design, Oslo Metropolitan University
- 17:30** **End**

Wednesday, 7 February

- 09:00** **Oral communication**
Key elements for better presentations – Lecture
[Torunn Meyer](#), Professional Presentation Skills Trainer and Actress
- 10:15** **Break**
- 10:30** **Oral communication**
Key elements for better presentations – Lecture
[Torunn Meyer](#), Professional Presentation Skills Trainer and Actress
- 11:30** **Lunch**
- 12:30** **Oral communication**
Practice in groups
[Torunn Meyer](#), Professional Presentation Skills Trainer and Actress
- 14:15** **Break**
- 14:30** **Oral communications**
Practice in groups
[Torunn Meyer](#), Professional Presentation Skills Trainer and Actress
- 15:30** **Oral communication**
Summary, questions and reflection
[Torunn Meyer](#), Professional Presentation Skills Trainer and Actress
- 16:00** **End**

Thursday, 8 February

- 09:00** **Oral communication**
Key elements for better presentations – Reflections
[Torunn Meyer](#), Professional Presentation Skills Trainer and Actress
- 10:15** **Break**
- 10:30** **Oral communication**
PowerPoint and valuable tips for persuasive presentations
[Torunn Meyer](#), Professional Presentation Skills Trainer and Actress
- 11:30** **Lunch**
- 12:30** **Oral communication**
Practice in groups
[Torunn Meyer](#), Professional Presentation Skills Trainer and Actress
- 14:15** **Break**
- 14:30** **Oral communications**
Practice in groups
[Torunn Meyer](#), Professional Presentation Skills Trainer and Actress
- 15:30** **Oral communication**
Summary, questions and reflection
[Torunn Meyer](#), Professional Presentation Skills Trainer and Actress
- 16:00** **End**

Friday, 9 February

- 08:00** **Integrating the workflow with machine learning tools – Practical session**
[James Richard Catmore](#), Researcher, Department of Physics, University of Oslo
[Eirik Gramstad](#), Researcher, Department of Physics, University of Oslo
- 11:15** **Break**
- 11:30** **Integrating the workflow with machine learning tools – Practical session**
[James Richard Catmore](#), Researcher, Department of Physics, University of Oslo
[Eirik Gramstad](#), Researcher, Department of Physics, University of Oslo
- 12:30** **Lunch**
- 13:15** **Open science and data sharing**
[Matthew Good](#), Senior Academic Librarian, University of Oslo Library
[Elisa Pierfederici](#), Adviser, University of Oslo Library
- 15:15** **Break**
- 15:30** **Open science and data sharing**
[Matthew Good](#), Senior Academic Librarian, University of Oslo Library
[Elisa Pierfederici](#), Adviser, University of Oslo Library
- 17:25** **Evaluation (Nettskjema)**
- 17:30** **End**