2023
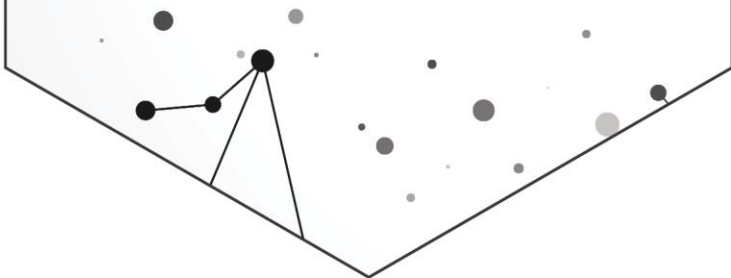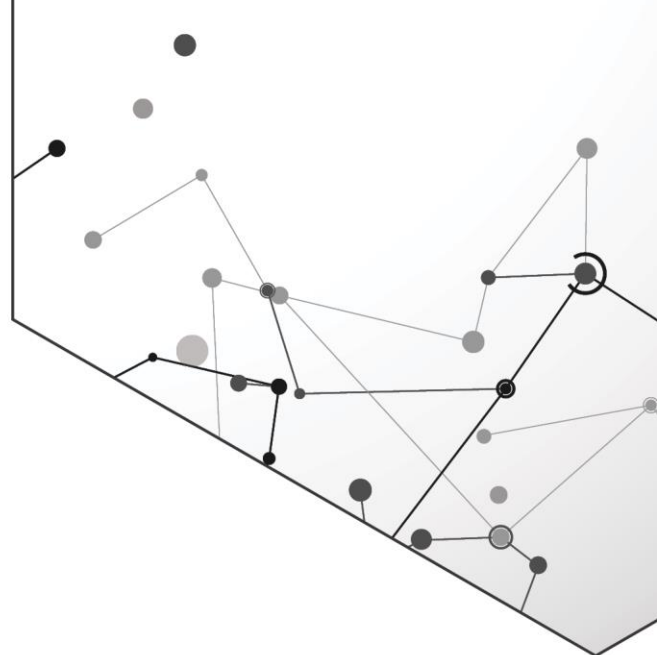
Workshop 2

Data structures and large data sets

Oral communication

Open science and data sharing

Responsible Research Innovation

Gender bias

CCSE, UiO
25 - 29 September

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

Programme

Monday, 25 September

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**
Lotta Snickare, Researcher in FRONT (Future Research and Organizational Development in Natural Sciences, Technology and Theology), The Faculty of Mathematics and Natural Sciences (MatNat), University of Oslo
Marthe Amundsen , Project leader for FRONT, MatNat, University of Oslo

17:30 **End**

Tuesday, 26 September

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, 27 September

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, 28 September

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, 29 September

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**
Agata Bochynsk, Senior Academic Librarian, University of Oslo Library
Matthew Good, Senior Academic Librarian, University of Oslo Library
Elisa Pierfederici, Adviser, University of Oslo Library
Anne Schad Bergsaker, Section Manager, USIT

15:15   **Break**

15:30   **Open science and data sharing**
Agata Bochynsk, Senior Academic Librarian, University of Oslo Library
Matthew Good, Senior Academic Librarian, University of Oslo Library
Elisa Pierfederici, Adviser, University of Oslo Library
Anne Schad Bergsaker, Section Manager, USIT

17:25   **Evaluation (Nettskjema)**

17:30   **End**