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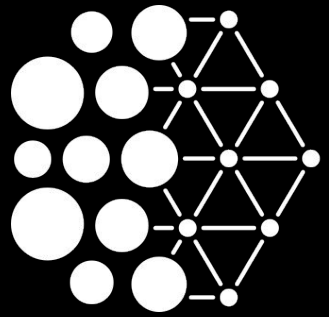

Mila

Tutorial : general information

Arsène Fansi Tchango & Francis Grégoire
Applied Research Scientists, Mila
arsene.fansi.tchango@mila.quebec
francis.gregoire@mila.quebec

General information

- Tutorials and presentations are available on the

  Github of the IVADO/MILA's Deep Learning School

- Tutorials can be loaded in Colab.

- Each tutorial has two versions:
  - *Name*_to_complete.ipynb: tutorial with code to complete and questions to answer.
  - *Name*_solutions.ipynb: complete tutorial with potential answers.

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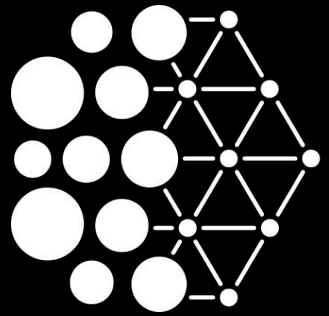

Mila

Tutorial : Data

Arsène Fansi Tchango & Francis Grégoire
Applied Research Scientists, Mila
arsene.fansi.tchango@mila.quebec
francis.gregoire@mila.quebec

Data Tutorial

- Goals:
  - Get familiar with Google Colab, Jupyter Notebooks and Python.
  - Understand the data used in a machine learning project.
  - Learn the importance of:
    - data visualization
    - using training/validation/test datasets
    - using dataloaders
    - training on small/large datasets
    - training on balanced/unbalanced datasets
    - comparing metrics on training and validation sets
  - Steps to follow to obtain reproducible results.

- Keywords:
  - training/validation/test datasets, data visualization, shuffling, dataloaders, data augmentation, unbalanced datasets, reproducibility.