# ML basics (4 lectures)

| | Lecture notes | Tasks |
|---|---|---|
| 8/28 | **Machine learning (ML) Tasks (https://canvas.uidaho.edu/courses/30734/files/3335297?wrap=1)** | **Read Sections 5.1 to 5.3 (https://canvas.uidaho.edu/cours wrap=1)** , *Deep Learning. https://www.deeplearningbook.o* |
| 9/4 | **ML algorithms (https://canvas.uidaho.edu/courses/30734/files/3337632?wrap=1)** | **Read Sections 5.7 and 5.8 (https://canvas.uidaho.edu/cours wrap=1)** , *Deep Learning. https://www.deeplearningbook.o* |
| 9/9 | **Gradient-based approaches and an example (https://canvas.uidaho.edu/courses/30734/files/3368242?wrap=1)**<br>GD Example: **GD.ipynb (https://canvas.uidaho.edu/courses/30734/files/3268206?wrap=1)** ⇩ **(https://canvas.uidaho.edu/courses/30734/files/3268206/download?download_frd=1)**<br>**winequality-white-1.csv (https://canvas.uidaho.edu/courses/30734/files/3268207?wrap=1)** ⇩ **(https://canvas.uidaho.edu/courses/30734/files/3268207/download?download_frd=1)** | **Read Sections 4.3 (https://canvas.uidaho.edu/cours wrap=1)** , **8.1.3, 8.3.1 (https://canvas.uidaho.edu/cours wrap=1)** , ***Deep Learning.***<br>***Read Sections 3.3.1 to 3.3.4, 1 Learning***<br>**HW 2: SGD.** |
| 9/11 | SGD | |