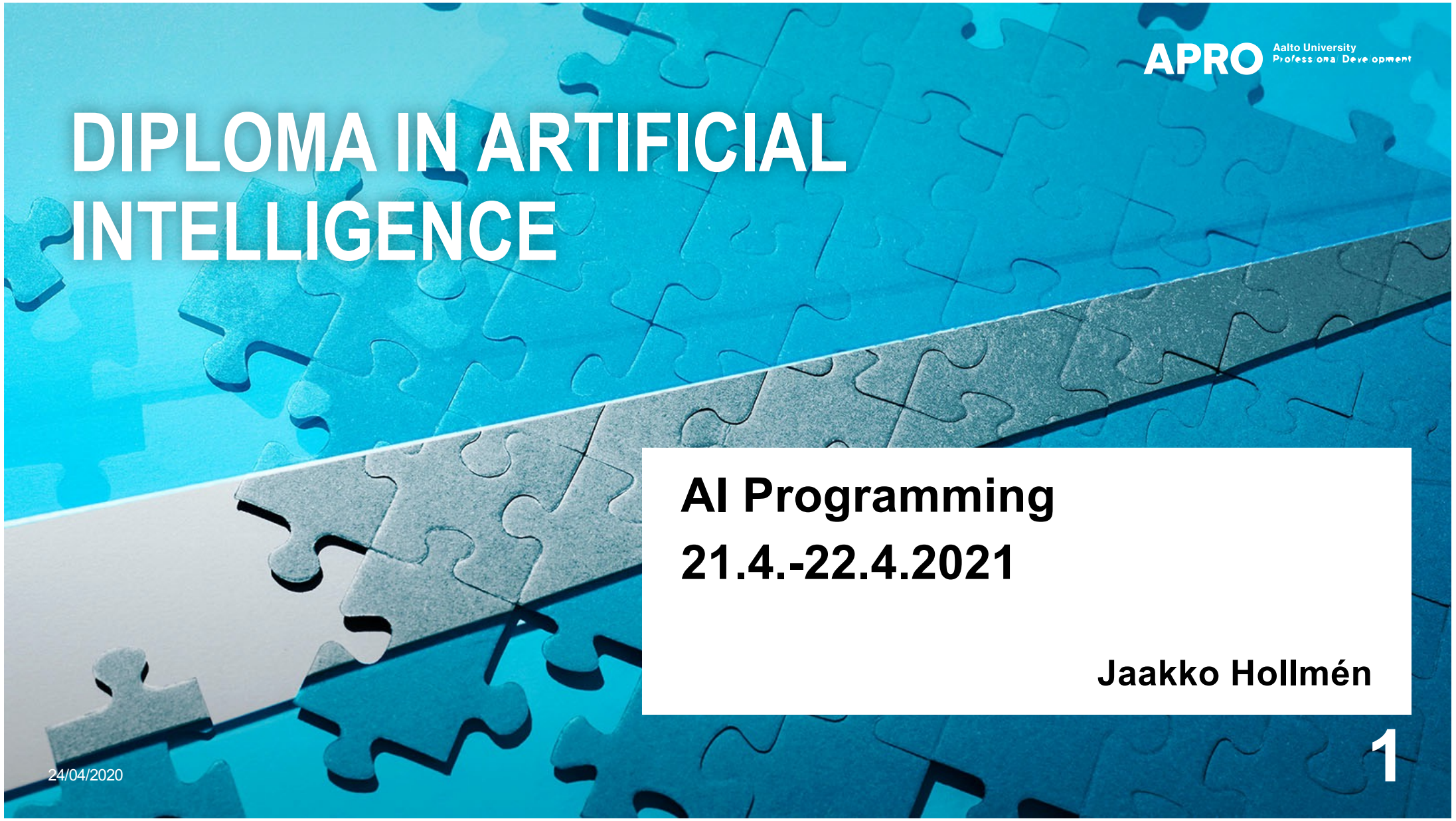

APRO
Aalto University
Professional Development
DIPLOMA IN ARTIFICIAL INTELLIGENCE
AI Programming
21.4.-22.4.2021
Jaakko Hollmén
24/04/2020
1

AI PROGRAMMING

The two-day training is divided into thematic sessions, where problems are presented to the students and when students create the solutions to the problems during the session.

Each student should have a computer and preparedness to run Python programs in Jupyter notebooks.

Each session contains a brief introductory lecture to the topic, and description of the programming exercise. Then, student proceed by programming, either alone or in pairs. Towards the end of the session, solutions will be reviewed.

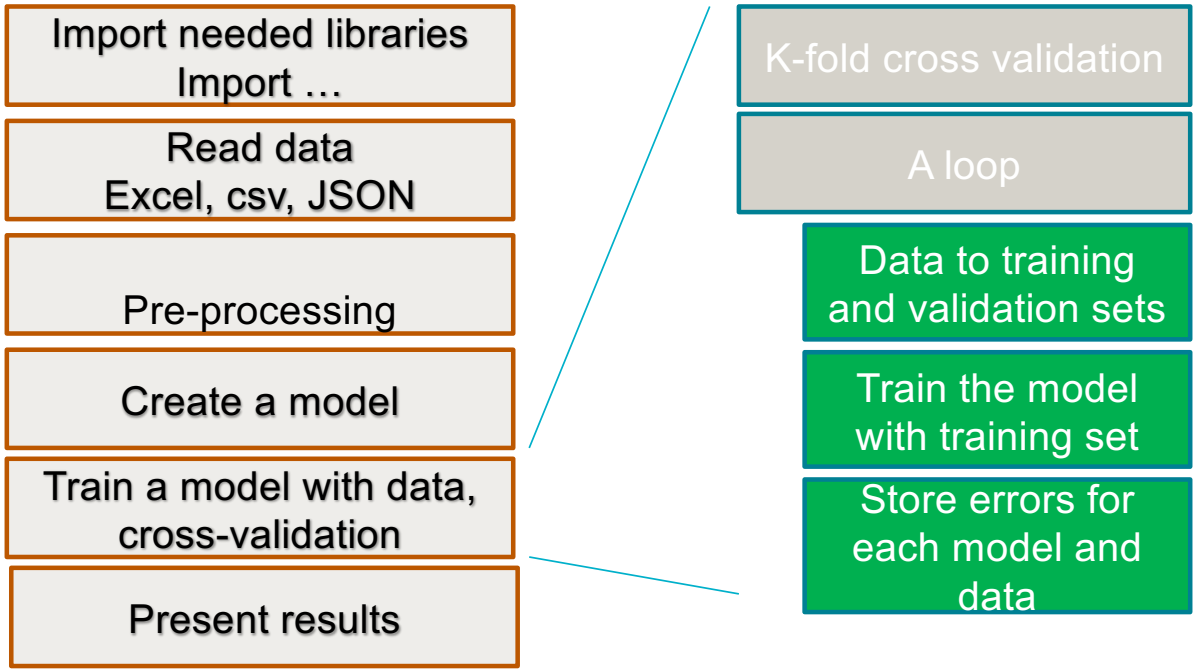
SESSION 8: MACHINE LEARNING WORKFLOW

- This session will be covered on the second day during 14.15-16.15.
- The learning objective is get familiar with a conventional organization of a machine learning workflow, for instance in prediction problems

LECTURE CONTENTS

- Organization of a predictive analytics solutions
- Data
- Libraries, models, library implementations
- Assessment of results
- Presentation of results

MACHINE LEARNING WORKFLOW



EXERCISES

- The exercises are listed in the Jupyter notebook Session-8-machine-learning-workflow.ipynb
- Work one exercise at the time
- Not all exercises need to be completed

REVIEW OF THE SOLUTIONS

- How do the solutions look like?