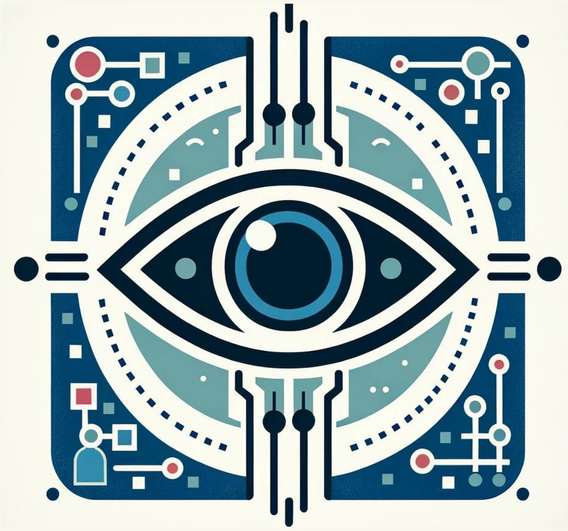


COMPUTER VISION

Project


C
D
E
F
G

TASK 1

- Input:
  - Image with chess board

- Output:
  - Total number of black/white pieces on the board
  - Position of the pieces on the image (bounding boxes)
  - Position of the pieces on the board (8x8 matrix with 0/1 values representing absence/presence of piece - any board orientation is acceptable)

TASK 1

Dataset: https://data.4tu.nl/datasets/99b5c721-280b-450b-b058-b2900b69a90f/2

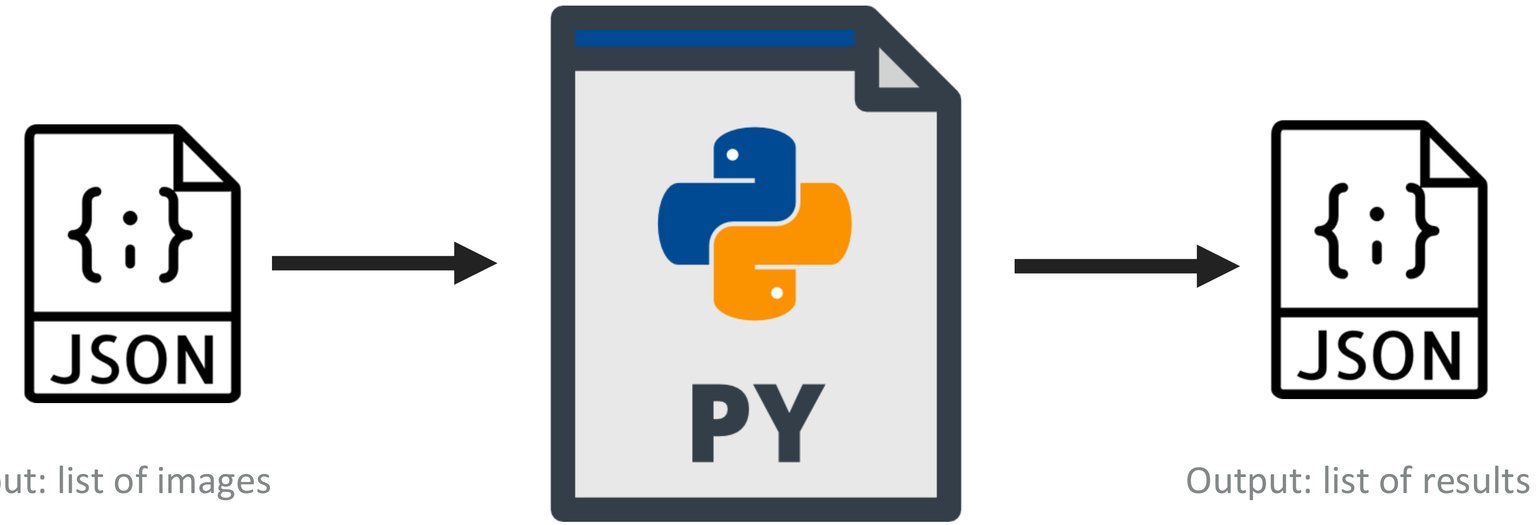
TASK 1

- Dataset:
  - 50 images randomly chosen from a public dataset
  - The results will be tested in 10 **undisclosed** images

- Deliverables:
  - Short report (2 pages max) presenting the **methodology** and some **results**
  - Python script (only one file)

- Deadline: **April, 14** (23:59 AoE)

TASK 1



Input: list of images

Image processing pipeline (*)

Output: list of results

(*) using only OpenCV and other common libraries, like numpy and matplotlib

TASK 1

- Grading
  - Task 1 accounts for **30%** of the overall project grade
  - Elements being considered: methodology, report and quality of the results

- Important remarks
  - Follow **strictly** the JSON structure for the input and output files
  - It is **okay** to use AI tools while developing your work, but it is **not okay** to use them without acknowledging it
  - All members of the group **are expected to understand** the methodology and the submitted code