

UNIVERSITAT POLITÈCNICA DE CATALUNYA  
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MASTER IN ARTIFICIAL INTELLIGENCE  
COMPUTATIONAL VISION

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# Face recognition

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# 1 Gender recognition

This is exercise 1.

## 1.1 Some subsection

*Question 1:*

- Which is the information contained in `ARFace.person`?
- Why the size of the field `internal`, `size(ARFace.internal)`, is  $1188 \times 2210$ ?

*Question 2:*

- What are the variables `'n'` and `'index'` of the function `fold_validation.m`?

*Question 3:*

- The function `main_gender_recognition.m` computes some evaluation measures obtained with 'PCA' ( $dim = 5$ ), 'PCA95' (95% variance explained) and 'LDA'. Explain the meaning of these measures and discuss which is the best obtained result.

# Appendices

## A Annex

Some text in the annex.