Agenda

- Working with 2 Matrices
  - Indexing
  - Slicing
  - Fancy Indexing (masking)
  - Transpose

- Aggregate Functions : sum, min, max, count
  mean, std

- Logical Ops in numpy
  - Any
  - All
  - where

- Use-Case : Fitness data Analysis

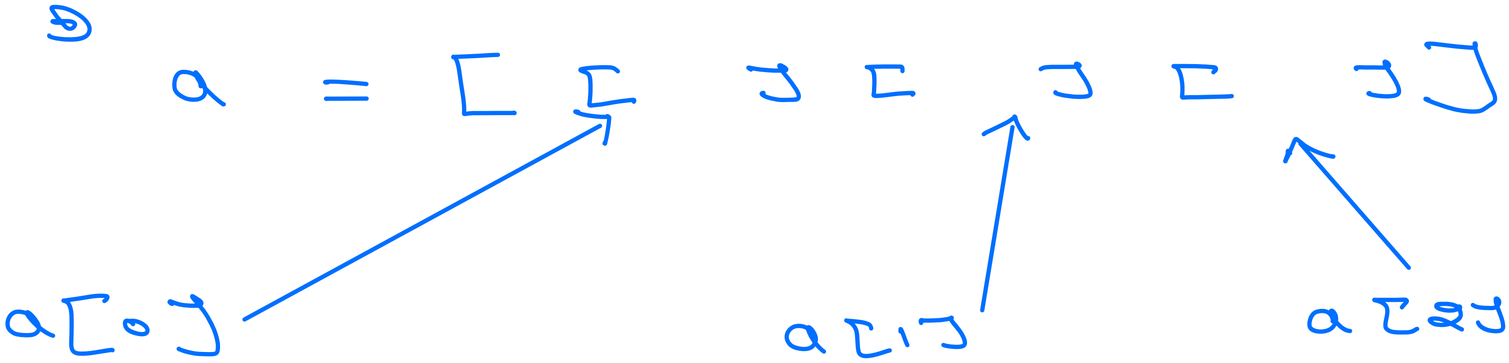
Working with 2 Matrices

- Using np.array to convert 2d List into numpy array

- Using reshape on 1d array

0, 1, 2, 3
4, 5, 6, 7
.'. ''

indexing



[[a[0][0] , a[0][1] - - - - - - -]
[a[1][0] , a[1][1] - - - - - - -]
[a[2][0] , a[2][1] - - - - - - -]

Aggregate Functions

- * For each row → axis = 1
- * for each col → axis = 0

Logical Ops

⊃ any : Check if any of the condition evals to True
↳ return True

⊃ all : all condition must satisfy
↳ return True

optional

* where (condition , [x , y]

x : if condition is True
replace with x

y : else y