

Numpy 2 Fitbit User Analysis

Wednesday, 28 June 2023

7:02 PM

Revision for Numpy &

- 1) NPS Problem & formulation.
- 2) List vs Numpy Array.
- 3) Installing & Importing Numpy.
- (4) Benefit of using numpy array (time comparison).
- (5) array, astype, arange. & Arguments (ndim, shape).
- (6) Indexing, Slicing on Arrays.
- (7) operations on 1D Array.

$[0, 1, 2, 3, 4, 5]$

$\left[\text{mask} = (a \% 2 == 0) \right] \Rightarrow \text{mask} [True, False, True, False, True, False]$

$a[\text{mask}] = -1$

$a[\text{mask}] \neq a[0, 2, 4] = -1$

$[0, -1, 1, -1, 3, -1, 5]$

→ FitBit Data

- 2) Reshape Numpy →
- (3) 2D Arrays & indexing
- (4) Slicing in 2D
- (5) agg functions
- (6) logical operations (any, all, where)
- (7) Solution of this Array.