ELOBO flowchart: Efficient Leave One Block Out

The functions represented are 'elobo' (main function implementing the algorithm) which calls 'split_blocks (splits input arrays and vectors into blocks by saving them in dictionaries) and 'least_squares_block (implements least squares procedures using block decomposition). Elobo also calls 'copy' which returns a copy of a dictionary with a specific element deleted; in this way the original dictionary does not change.

Also 'lobo' function is described (implement the classic leave one block out in wich you repeat the least square procedure reomving each time a block).

In this diagram operations on arrays are not explicit with a python function, but they will be handled with numpy library. The structure of the dictionary will be used to manage the subdivision into blocks; the key-value structure in my opinion is more intuitive to access to a specific element

















