Python Tutorial 3: Numpy

1. Import statement
2. Creating 1 Dimensional arrays
   1. Array attributes
      1. ndim
      2. shape
      3. size
   2. Simple Math versus lists
3. Indexing, subsetting and slicing arrays
4. Boolean Masks
5. Creating special arrays
   1. Random arrays
      1. rand
      2. randint
      3. randn
      4. normal
      5. choose
   2. Range or evenly spaced arrays
      1. arange
      2. linspace
   3. Set Values
      1. zeros
      2. ones
      3. \*\_like functions
6. 2 Dimensional Arrays
   1. Creating 2-dimensional arrays
   2. Indexing, subsetting and slicing
   3. Axis selection
   4. sorting 2-dimensional arrays
7. Combining and splitting arrays
   1. Combining arrays
   2. Splitting arrays
   3. Reshaping arrays
8. More advanced comparisons
   1. argmax
   2. argmin