- ► The Python programming language was not initially designed for numerical computing, but attracted the attention of the scientific/engineering community early on.
- NumPy is an extension to the Python programming language, adding support for large, multi-dimensional arrays and matrices, along with a large library of high-level mathematical functions to operate on these arrays.

- The ancestor of NumPy, Numeric, was originally created by Jim Hugunin with contributions from several other developers.
- ► In 2005, Travis Oliphant created NumPy by incorporating features of Numarray into Numeric with extensive modifications.

- NumPy is open source and has many contributors.
- Website http://www.numpy.org/

Useful Commands for simulation exercises

- random.randint(a, b) Return a random integer N such that a ≤ N ≤ b.
- random.choice(seq) return a random element from the non-empty sequence seq. If seq is empty, raises IndexError.
- random.sample(population, k) Return a k length list of unique elements chosen from the population sequence. Used for random sampling without replacement.