READ ME

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Version of Python: 2.7.13 Version of Spyder: 3.23

Description: In this program we generate then we read a JSON file based on the USDA food data. We proceed doing analysis regarding which amino acids are present in diverse group of foods and then we plot the median zinc content.

Installation: Please install on your pc the latest version of Anaconda with Python 2.7 and the lates version of Spyder. The program was run in Windows 10 but it should work also if you use a Mac PC or a Linux distribution.

One can download the Anaconda / Python 2.7 / Spyder here:

https://www.anaconda.com/download/

Packages Used:

The following packages should be installed by the anaconda environment or via through pip install package in anaconda prompt: Pymongo, Pandas, Numpy, Scipy

Generating the JSNO file: You must have the JSON file in your computer for it to run. To generate the JSON file, please:

1) Check out the nutrient-db python utility from GitHub
   from https://github.com/schirinos/nutrient-db.git .
2) Download the zip file.
3) Unpack the zip file.
4) You must have already installed pymongo to do this: go to promp then enter
   python nutrientdb.py -e > nutrients.json
5) Please move the generated Json file, if not already, to a folder called ./nutrients.json inside thw working directory of your python program.