

RTCU Cheat sheet

- RTCU works in all platforms and with different python versions. To overcome all of these varieties, “future” package was added to the source code.

Note: you may need to update future module on your computer by following those commands:

1. Download get-pip (<https://bootstrap.pypa.io/get-pip.py>)
2. `python get-pip.py install future`
3. `python get-pip.py install future --upgrade`

Note: you will need to install Numby and Biopython first by those commands on your cmd (windows):

1. `pip install numpy`
2. `pip install biopython`

- The default working directory is the directory where your rtcu.py located.
- You can use any file in its own directory by specifying the directory before the file's name

```
-in G:\eslam\input.txt -out D:\samir\out.txt
```

- Only one sequence should be in the input file.

Note: Be aware that the program will generate a lot of possibilities and the resulting file size will be huge if there are a lot of variable spots in your sequence.

- The file “original_codon_usage.txt” contains the format which should be your manual codons.
- You can use the [codon usage database](#) to construct your manual file for reverse translation.