***Testing a transform.***

Every time I write code, I make mistakes. Feck it, almost every time I type there’s a small mistake somewhere and when I code I only notice it when I finally attempt a run or compile. To attempt modularizing my mistakes, whereby I can check a small bit of code and fix that, then there’s one less screw up to fix.

Lets say I have a transform method called “fft(package)” in a file called “transformer.py” and I’m using the terminal / IDLE / whatever and I want to check that it works:

1. Import the epilepsyTools.py module:

import epilepsyTools as eT

1. Import the transformer.py file:

import transformer

1. Call the testTransform function on your transform:

eT. testTransform(transformer.py)

This will apply your transform to the six “testMATfiles” directory, which contain data packets consisting of:

0001) All ones.

0002) All zeros. (N.B. occasionally this needs to be overwritten, to avoid a divide by zero error)

0003) Random noise

0004) 50Hz sine waves

0005) 50Hz sine wave with noise

0006) 50Hz sine wave with 10Hz sine wave and noise

Assuming your transform works, the testTransform method will tell you how long it takes to read in the files and apply the chosen transform, it will attempt to plot the results of the transform on each file.