

Need to check the COV and R values for fdopa as noise can cause problems. If COV is > 100%, the Ki value is not significantly different from 0 and I have been putting 0* in the Excel spreadsheet.

Example files in

/data/petsun7/monkey3/focus_220/m1050/noscatter/FDOPA/ANALYSIS/DUMMY

(You will need to correct the path for the .dat files in gin file there)

Let me know if you have any problems.

NOTE: this version of the FDOPA program doesn't check to be sure there are no missing scans so it WILL NOT give correct results if intermediate scans are missing. We will have to add that in the MATLAB version.

Joanne

From joanne Wed Jul 5 12:51:02 2006
Date: Wed, 5 Jul 2006 12:51:02 -0500 (CDT)
From: Joanne Markham <joanne@npg.wustl.edu>
Subject: Re: FDOPA commands
To: golchinn@npg.wustl.edu
X-Mailer: dtmail 1.3.0 @(#)CDE Version 1.3.5 SunOS 5.7 sun4u sparc
Mime-Version: 1.0
Content-Type: TEXT/plain; charset=us-ascii
Content-MD5: TAg0zdlp4Xs0dnAc7LJWlg==
Content-Length: 1532

Nima,

I modified the fdopa program so you can use the same steps as for the dvr program.

1. First put the names of the .dat files in an input file as shown below for m1050.

```
../m1050_FD_occipital.dat  
../m1050_FD_left_striatum.dat  
../m1050_FD_right_striatum.dat
```

2. Then run jobtac which should have the following command

```
/home/usr/joanne/TEMP/JOELP/gentac.tsk <gin >m1050_FD.tac
```

where gin is the file containing the .dat files names.

This will generate a single tissue-activity file.

3. Then create the input file (fin) for the fdopa program as shown

```
24 94  
m1050_FD.tac
```

4. Finally, run jobf or the following command

```
/home/usr/joanne/TEMP/JOELP/fdopaeiv.new.tsk <fin >&out1
```

5. Results are in m1050xx.fit (Ki values)
Data points for linear regression are in xxx.xyplots file.