DKI FSL Calcs: How to run scripts

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04/04/2025

Use these directions to run the DKI FA FSL calculation scripts to get dki\_kfa.nii values on everyone. You must first have done the setup.

Before you run, it might be a good idea to pull any new changes from the repo using git

# 1. Set up a list of files to run fslstats on

First you need to put together a list of files to run FSL stats on. This must be a csv where the first row says input\_file and the remaining rows are full file paths to .nii files. Each .nii file will have its average value calculated.

Note: Its easiest to make this in MATLAB using the dir() command and then saving the result as an .xlsx table.

# 2. Run scripts

Open a terminal window (or open the WSL2). Type the following 2 lines:

workon dkifa\_fslcalcs\_env

bash run\_fslstats\_onall\_dki\_kfa.sh

A dialogue box will now open and you will now need to select the .csv file you created in step 1. Select the file and press ok.

Wait while the files are created.

# 3. Run compilation script

Run the following line in the terminal:

python dkiafa\_fslcalcs\_compiledata.py

This will put an excel sheet in the repo directory with the data.