### WMA error solution (whitematteranalysis version 0.4.0)

(1) /home/gaoxingzheng/anaconda3/lib/python3.10/site-packages/whitematteranalysis/congeal\_multisubject.py

Line 479:

原版报错：register.process\_id\_string = f"\_subject\_{subject\_idx:05d}\_iteration\_{iteration\_count:05d}\_sigma\_{sigma:03d}"

改进后：register.process\_id\_string =

f"\_subject\_{subject\_idx:05f}\_iteration\_{iteration\_count:05f}\_sigma\_{sigma:03f}"

(2) /home/gaoxingzheng/anaconda3/lib/python3.10/site-packages/whitematteranalysis/congeal\_to\_atlas.py

Line 111

原版报错：dirname = f”iteration\_{self.total\_iterations:05d}\_sigma\_{self.sigma:05d}”

改进后：dirname = f”iteration\_{self.total\_iterations:05f}\_sigma\_{self.sigma:05f}”

(3) /home/gaoxingzheng/anaconda3/bin/wm\_harden\_transform.py

(3.1) Line 119: <wm\_harden\_transform.py> Transforming: /home/gaoxingzheng/Public/Zhiyu\_WM\_fibers\_pipeline/test\_data/output/WMA\_clustering/FiberClustering/InitialClusters/whole\_tract\_reg

sh: 1: cannot create f/home/gaoxingzheng/Public/Zhiyu\_WM\_fibers\_pipeline/test\_data/output/WMA\_clustering/FiberClustering/TransformedClusters/whole\_tract/log.txt: Directory nonexistent

解决方法：去掉Line 118行中xxxx –python-code ’slicer.app.quit()’ >> f{os.path.join(outdir, ‘log.txt 2>&1’)}中的f，并保存。

(3.2) Number of loaded modules: 150

Traceback (most recent call last):

File "<string>", line 7, in <module>

File "/home/gaoxingzheng/anaconda3/bin/harden\_transform\_with\_slicer.py", line 22

print(f'Could not load polydata file: {polydata}')

^

SyntaxError: invalid syntax

原版报错（Line 22）：print(f'Could not load polydata file: {polydata}')

改进后：print("Could not load polydata file: ","{}".format(polydata))

原版报错（Line 27）：print(f'Could not load transform file: {transform}')

改进后：print("Could not load transform file: " ,"{}".format(transform))

原版报错（Line 31）：print(f'Empty cluster: {polydata}')

改进后：print("Empty cluster: ","{}".format(polydata))

(4) /home/gaoxingzheng/anaconda3/bin/wm\_cluster\_remove\_outliers.py

原版报错：Lack of the following scripts in whitematteranalysis version 0.4.0 (no error exits in version 0.3.0)

"

try:

from joblib import Parallel, delayed

USE\_PARALLEL = 1

except ImportError:

USE\_PARALLEL = 0

print(f"<{os.path.basename(\_\_file\_\_)}> Failed to import joblib, cannot multiprocess.")

print(f"<{os.path.basename(\_\_file\_\_)}> Please install joblib for this functionality.")

"

解决办法：添加一行from joblib import Parallel, delayed

**Statement**: The bug fix report was written by Gaoxing Zheng, a PhD at the Department of Neurology, Zhongshan Hospital, Fudan University.