Manual for Morphometricity Project Code

1. Content list:
   1. Core functions: morphometricity.py (matlab ver: morphometricity.m)
   2. Functions for running simulation: simulation\_function.py
   3. Test cases for validating the functions: test\_cases.py
   4. Simulation series: simulation.py
   5. UK Biobank data analysis: data\_processing.py + ukb\_analysis.py
2. Process to run:
   1. To obtain figure 1 and 2 (estimated morphometricity under correctly and wrongly specified model, AIC chosen kernel): simulation.py
   2. To obtain figure 3 (estimated morphometricity for chosen traits in UKB):
      1. Run data\_processing.py and save the data for 2nd visit: ses2.csv
      2. Run ukb\_analysis.py