An installation procedure is required if it is the first time a user trying to run “hhsa\_tools\_d2” in a MATLAB environment. To install the software tool, users should first download hhsa\_tools\_d2 files to a user-specified folder, followed by changing the MATLAB current directory to this folder and running the installer: “install\_hhsa.m”. After completing the above procedures for installation, Scripts for replicating HHSA results in the manuscript entitled “Frontoparietal beta amplitude modulation and its interareal cross-frequency coupling is critical for visual working memory” can be run. These scripts are in \data\_hhsVWM\rep\_scripts\.

Please note that the above installation script will also include a special version of SPM12. Therefore, if there is already a previous version of SPM12 installed in your MATLAB environment, please remove their related paths so that the current hhsa tool can be executed correctly.