

### Diagram Key

● User Input Variables

● **Preprocessing:** Functions involved in preprocessing to produce simulation files

● **Submission:** Functions operating externally to submit simulation files. Including, export/ import files and variables and functions for excuting commands on a remote server to run FEA/ABAQUS simulation

● **Postprocessing:** Functions involved in postprocessing simulation data imported from the remote server.

● **ABAQUS Scripts:** Hard Coded ABAQUS scripts produced/ written in current directory: exported and run on remote server using preprocessed data.

