Dataset Generation

Preparing the hydrographs for interpolation

* Any discharge below 0.2 was changed to 0.2 (in excel)

Run the interpolation python file (both varying time and flow peaks) to generate interpolated values at every time step

* A file is generated at the end

Create a truncated file, where the initial 0.2 values are deleted, and 0.2 values are added at the end to complete time (in excel analysis).

Using the hydrograph\_generation python file generate hydrograph input file format for FullSWOF

* Change the q values in the python file and generate input file for each flow

Run the FullSWOF model for each q varying model.

Run input\_training\_evolution file to obtain the training data (only relevant to models which has been run on fullSWOF-2D

Check for Froude Number