

Simulation count calculator in Python3

Run this script [get_fault_numrels.py](#) with 2 input files as below. all_fault_list.txt contains name of 484 faults

1. [all_fault_list.txt](#)
2. [FaultName_Length_nhmWidth_leonardWidth_Rake_LeonardMedianMag_nhmMag.txt](#)

Some faults listed in input 1 are in subduction zones and are not listed in input 2. which are omitted in the output file.

These omitted faults are : ['HikRaukmax', 'HikHBaymin', 'Lachlan1-2', 'HikHBaymax', 'HikRaukmin', 'Wairaka05', 'HikWgtnmax', 'HawkeBay6-12', 'Waimarama1-2', 'Waimarama3-4', 'FiordSZ09', 'HawkeBay5-11', 'FiordMar1-2', 'FiordSZ03', 'HikWgtnmin']

This is the list of fault and realisations we used for running Cybershakes : [CS_fault_numrels_jason.txt](#)

We noted the output produced by Python code above is not identical to this file. 21 faults have 1 more/less realisations - for the consistency, we are sticking to this file.