*Replication dataset form*

**Efficient uncertainty quantification for impact analysis of human intervention in rivers**

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*Table of contents and brief description of replication files (RF)*

**RF01: Test data**

This RF contains a Python 2.7 implementation of the method described in the paper, including data for the cases described. The script *runfile.py* is used to run the script. By default, it will run the first example, dike relocation.

To be able to run the script, the user requires:

* Python 2.7 with common scientific packages (numpy, scipy etc.) . The Anaconda distribution (<http://continuum.io/>) is highly recommended
* pyMC3(<https://github.com/pymc-devs/pymc3>) and dependencies therein
* SAlib (<https://github.com/SALib/SALib>) and dependencies therein

Good luck! Questions can be directed to the corresponding author