

## **Mutual Information (MI) on the forest fire**

The R code file is applied on the folder "dataset".

The dataset folder contains text files. Each text file is a forest snap shot during the fire. The MI is calculated on adjacent rows and then averaged.

A file has the following structure: forest\_x\_y\_z.txt, with

x: the tree density of the lattice (e.g. 0.08).

y: the iteration of the forest (each three density is repeated 50 times)

z: the lifetime of the forest.