Complexity Project: The Oslo Model

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January 29, 2017

1

Devise and perform some simple tests (e.g. by selecting particular simple values of p) to check whether your programme is working as intended.

We plug in for p=1, p=0

We expect half and double recurrent heights, with single recurrent

$$P^{T}\mathbf{x} = \lambda \mathbf{x}$$
$$\mathbf{x}^{T}P^{T}\mathbf{x} = \mathbf{x}^{T}\lambda \mathbf{x}$$
$$\frac{\mathbf{x}^{T}P^{T}\mathbf{x}}{\mathbf{x}^{T}\mathbf{x}} = \lambda$$
$$P^{T}\mathbf{x} = \mathbf{x}$$

2

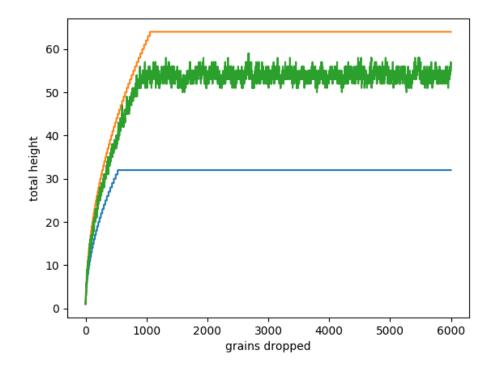


Figure 1

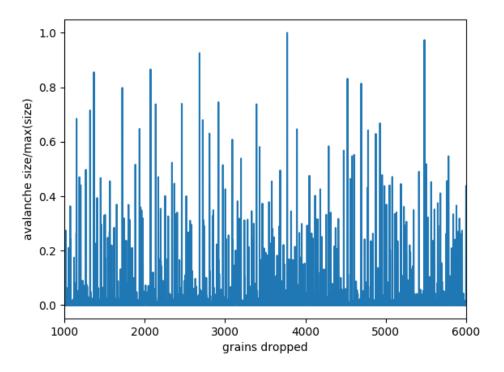


Figure 2

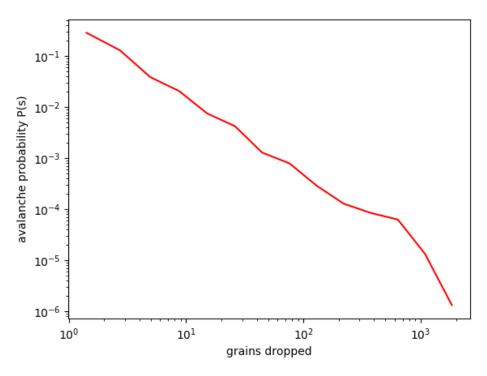


Figure 3