Analyse des séquences de potentiels d'action tutorial

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Data used

We are going to use spike trains obtained from the antennal lobe–first olfactory relay–of locust, *Schistocerca americana*. These spike trains can be found on the zenodo-locust-datasets-analysis GitHub repository. You can also find there a complete description of the sorting procedure used to go from the raw data, that are available on zenodo, to the spike trains. We will mostly use the spike trains from experiment locust20010214 that can be found at the following address: https://github.com/christophe-pouzat/zenodo-locust-datasets-analysis/tree/master/Locust_Analysis_with_R/locust20010214/locust20010214_spike_trains.

Getting a spike train

We will start by downloading the spike train from unit 1 from group Spontaneous_1. This is done by typing in the shell:

```
wget https://raw.githubusercontent.com/christophe-pouzat/\
zenodo-locust-datasets-analysis/master/Locust_Analysis_with_R/\
locust20010214/locust20010214_spike_trains/\
locust20010214_Spontaneous_1_tetB_u1.txt
```