Dynamical Adaptation in ORNs

Srinivas Gorur-Shandilya

March 2, 2014

Comparison fo Manual Scoring by Tong-Wey to automated scoring

In this document, the automated tracking and scoring is compared to a subset of data that was manually scored. Copulation latency and the times of first wing extension are compared here.

Contents

- load TWK's data
- load Track4's outputs
- Comparison of Copulation Latency

load TWK's data

load Track4's outputs

Comparison of Copulation Latency

In this figure, manually scored copulation latency is plotted on the X-axis, and automated scoring is plotted on the Y-axis

```
rtext =

Rsquare of fit is:0.98


ans =

    'M2U00014.MPG.mat'              'L'
    '2013-08-24 Cam2-8.MPG.mat'     'L'
    'M2U00018.MPG.mat'              'L'
    'M2U00005 09.32.59.MPG.mat'     'L'
    'M2U00028 09.32.58.MPG.mat'     'L'
    'M2U00028 09.32.58.MPG.mat'     'R'
    '2013-08-24 Cam2-5.MPG.mat'     'R'
    '2013-08-24 Cam2-12.MPG.mat'    'L'
    '2013-08-24 Cam2-19.MPG.mat'    'L'
    '2013-08-24 Cam2-19.MPG.mat'    'R'


ans =

      6861        5632
```

3721	1676
18601	2566
5531	3258
14951	4001
11611	2116
8251	2114
5811	3482
12601	805
18001	775

Copulation Latency Comparison

Rsquare of fit is:0.98