

Palmreader: Blackbox behavior analysis

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1 Skeleton tracking

deeplabcut is used to track the mouse's skeleton in each video frame.

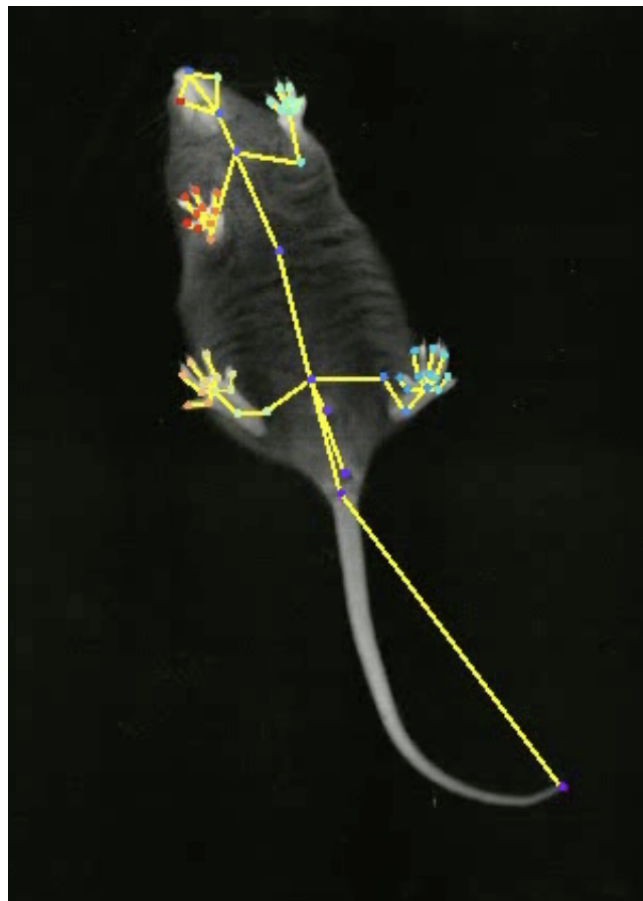


Figure 1: schematic of the skeleton tracking

midline tailtip

s and shoulders test

left hind paw

left front paw

right hind paw

right front paw

We can make a table with centered elements:

$$\begin{bmatrix} 1.1754 & -0.8334 & 193.4191 \\ 0.2062 & 1.0380 & -141.0333 \\ -0.0008 & 0.0007 & 1.0000 \end{bmatrix}$$

There you go! That should be enough to get you started on LaTeX!