

Project 12: Multisensory integration

- 1) Implement the logistic classification model described in Carandini (2024), and reproduce the audiovisual results shown in Figures 4 and 6.
- 2) Use the model to explain the ventriloquist illusion.
- 3) At the end of the paper, Carandini points out that the limiting factor on perceptual accuracy is not sensory coding but rather the readout by downstream areas. What might limit the accuracy of the readout?

References:

Carandini, M. (2024). Sensory choices as logistic classification. *Neuron*, 112, 2854-2868.