Source Data Related to Figure 1

The population vector data used to generate Figure 1 is stored in the file data\_cfos.mat, located in the ‘Matlab codes’ folder. This dataset includes population vectors for both adult-born neurons and granule neurons, stored in matrices named ‘*ABNs’* and ‘*GNs’*, respectively. Each column in these matrices represents the population vector for different sessions.

The labels for each session are stored in the cell array ‘*lab’*. Data from three different mice are pooled together in this dataset. The neuron counts corresponding to each mouse are stored in *nABNs* and *nGNs*, which indicate the number of neurons for each mouse. For example, the first value in *nABNs* is 42, indicating that the first 42 rows in the ABNs matrix correspond to mouse 1.

To reproduce the analysis shown in the original manuscript, add the ‘Matlab codes’ folder to the MATLAB path and run ‘*Main\_code\_Fig\_1.m*’. Instructions for the analysis are provided as comments within the code.