

Order	Run By User	Simplified Script Name
1	Y	import_nex_files_spikes_and_bursts.m
'	N	1B. minimal_burst_analysis
2	Y	calculate_light_lick_responses
3	Y	calc_spike_binned_data_remove_outliers.m
'	N	3B. count_unit_responses_for_table
4	Y	calc_perc_bursts_by_hour
5	Y	prep_data_for_norm_firing_fig
USER MUST ENTER MANUALLY		
6	Y	
7	Y	
8	Y	
9	Y	
10	Y	
11	Y	

Description

Saves all units, neurons, intervals into DATA, calculates BURStunits. Runs Nex templates.

Process each unit's timestamps to classify its lick and light-responsiveness

Uses rolling window to calculate outlier-removed binned data. Runs counts_unit_responses_for_table

Creates a structure of tables with the count of all light and lick responses.

Calculates % of spikes in bursts by hour.

Calculates normalized firing data and creates structures for color plot

SORTtracker=SORTtracker.CRF; SORTtrackerCRF=SORTtracker_SplitByRateChange.CRF

Generates normalized firing rate figure

calculates correlations between spikes and licks

prints out a table of all unit's results

Prints out grouped data for Prism/Excel

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Changed	Original Script Name
x	NexCombinedDATAstruct
x	BURSTunits_Analysis
x	nexDATAclassificationFixWIP2
x	findOutliers_DATA_RawSpikes_SaveBins_CutLicks
x	nexDATAcountUnitsFinal_v2
x	nexBurstByHourUsingCalcPercBursts
x	nexPrepAll_forNormFiringFigsSplitByDeltaRate
	plotNormFiringFromSORTtracker_V2WIP plotNormFiringFromSORTtracker_V3WIP
	corrSPIKESandLICKSv2_updateMatchV3
	printUnitNamesDetailsOutRem
	copyPasteSORTdata
	copyPasteSORTdata_EarlyVsLate
	copyPasteSORTdata_EarlyVsLateSPLITS