

Spike analysis keys

Reading in settings(keys) has a hierarchy in spike_analysis ! Higher Priority will always override lower priority.

Priority	Settings file	Info	Location
1	ph_general_settings.m	default, makes sure keys are present	spike_analysis folder
2	ph_project_settings.m	default settings for your project	Settings/Project
3	ph_project_version_settings.m	small deviations for one version (f.e. different dataset)	Settings/Project/version
4	additional_settings.m	probably obsolete, was used to define each run	Settings/Project/version

General settings

Key	Format	Possible entries	Info
keys.PSTH_binwidth	Scalar	0.01	resolution of PSTH's (in seconds)
keys.gaussian_kernel	Scalar	0.02	std for the convolution to derive spike density (in seconds)
keys.kernel_type	Char	'gaussian'	excludes trials with non-matching effector
keys.condition_parameters	cellstr	{'reach_hand','choice','perturbation'}	parameters that define a unique condition
keys.position_and_plotting_arrangements	cellstr	{'hands'}	defines (somewhat hardcoded) positions in ph_arrange_positions_and_plots
keys.contra_ipsi_relative_to	Char	'target'	what contra and ipsi refer to

Trial selection keys

Key	Format	Possible entries	Info
keys.cal.datasets	Array	see dataset convention	excludes runs with non-matching dataset
keys.cal.completed	Scalar	0 or 1	excludes not completed trials (keep at 1 for now)
keys.cal.effectors	Array	[0,1,2,3,4,5,6]	excludes trials with non-matching effector
keys.cal.types	Array	[1,2,3,4,5,6]	excludes trials with non-matching type
keys.cal.reach_hand	Array	[0,1,2]	excludes trials with non-matching hand (no hand, left, right)
keys.cal.choice	Array	[0,1]	excludes trials of non-matching choice value

Unit exclusion keys

Key	Format	Possible entries	Info
keys.cal.datasets	Array	see dataset convention	excludes runs with non-matching dataset
keys.cal.completed	Scalar	0 or 1	excludes not completed trials (keep at 1 for now)
keys.cal.effectors	Array	[0,1,2,3,4,5,6]	excludes trials with non-matching effector

Key	Format	Possible entries	Info
keys.cal.types	Array	[1,2,3,4,5,6]	excludes trials with non-matching type
keys.cal.reach_hand	Array	[0,1,2]	excludes trials with non-matching hand (no hand, left, right)
keys.cal.choice	Array	[0,1]	excludes trials of non-matching choice value

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