

DAG_WC3_preprocessing (per Session)

per block and channel

Broadband data from
Y:\Data\TDTtanks\%Monkey_phys\
%YYYYMMDD\Block-%B

monkey_phys_LFP_BROA_comp.xls
(crosscorrelation table to account for
initial streamer data lags)
hopefully not needed any more

DAG_parse_data_TDT
(uses TDTbin2mat to read out TDT data)

parsed TDT2WC data
Y:\Data\Sortcodes\%Monkey_phys\
%YYYYMMDD\WC_Block-%B\
Block-%B_%CH.tdtch

DAG_SpikefilterChan
(using phys_gui filter settings)

filtered TDT2WC data
Y:\Data\Sortcodes\%Monkey_phys\
%YYYYMMDD\WC_Block-%B\
datafilt_ch%CH.mat

TDTbin2mat
to identify ITIs to later remove spikes during ITI
(if remove_INI==true)

per channel, combining blocks with similar electrode depth
(within cell_tracking_distance), with N different depths

wc_extract_spikes_cat_MU_SU
with two threshold steps (TS=SU or TS=MU)
potentially with two thresholds (TH=pos or TH=neg)

Unsorted Spike Waveforms and arrival times
Y:\Data\Sortcodes\%Monkey_phys\
%YYYYMMDD\WC\
dataspikes_ch%CH_%N_%TS_%TH.mat

electrode_depths mat file

wc_get_features
get features for each TS & TH combination

(Un-/)sorted Spike Waveforms and arrival times
Y:\Data\Sortcodes\%Monkey_phys\
%YYYYMMDD\WC\
dataspikes_ch%CH_%N.mat

wc_feature_selection3
select features across all
threshold steps and thresholds

(Un-/)sorted Spike Waveforms and arrival times
Y:\Data\Sortcodes\%Monkey_phys\
%YYYYMMDD\WC\
dataspikes_ch%CH_%N.mat

wc_clustering_iterative_combined

Clustering figures
Y:\Data\Sortcodes\%Monkey_phys\
%YYYYMMDD\WC\
dataspikes_ch%CH_%N.mat

Concatenation info
Y:\Data\Sortcodes\%Monkey_phys\
%YYYYMMDD\WC\
concatenation_info.mat

Applied WC settings
Y:\Data\Sortcodes\%Monkey_phys\
%YYYYMMDD\WC\
settings.mat