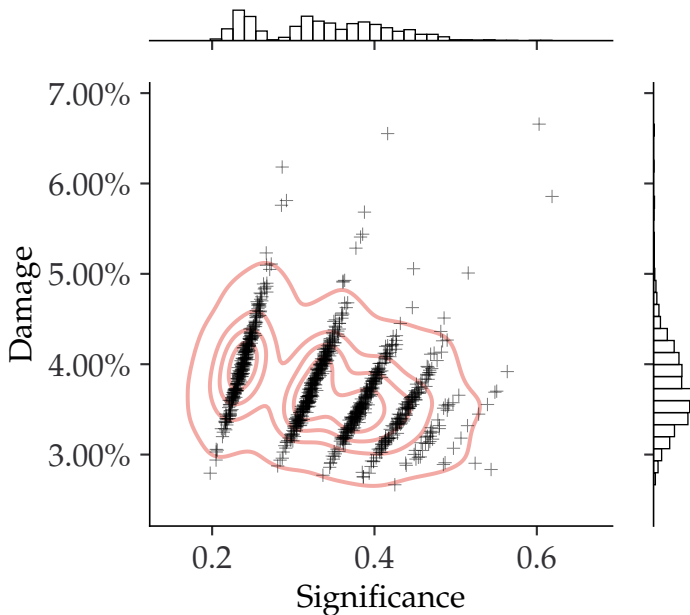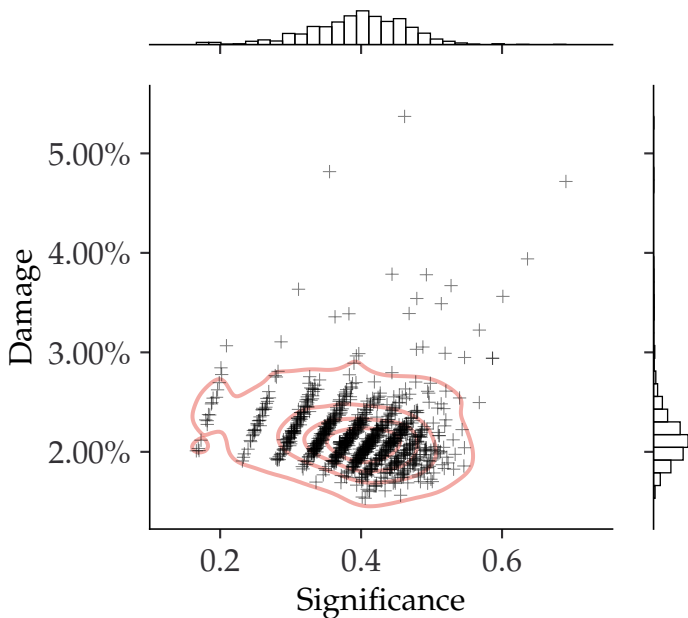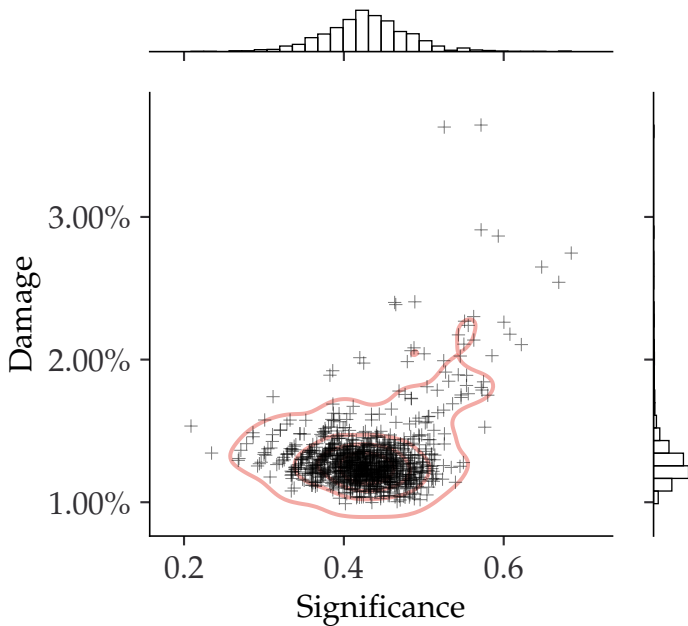sim_N_reads = 10, # = 1000

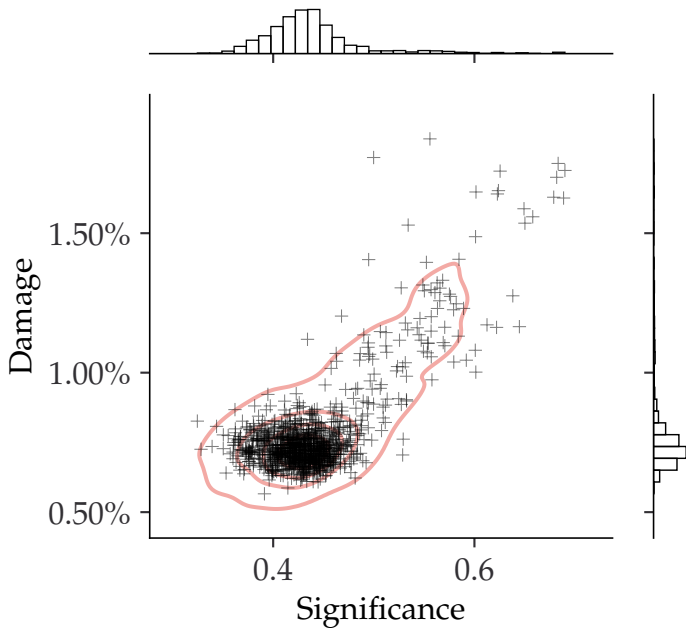sim_N_reads = 25, # = 1000
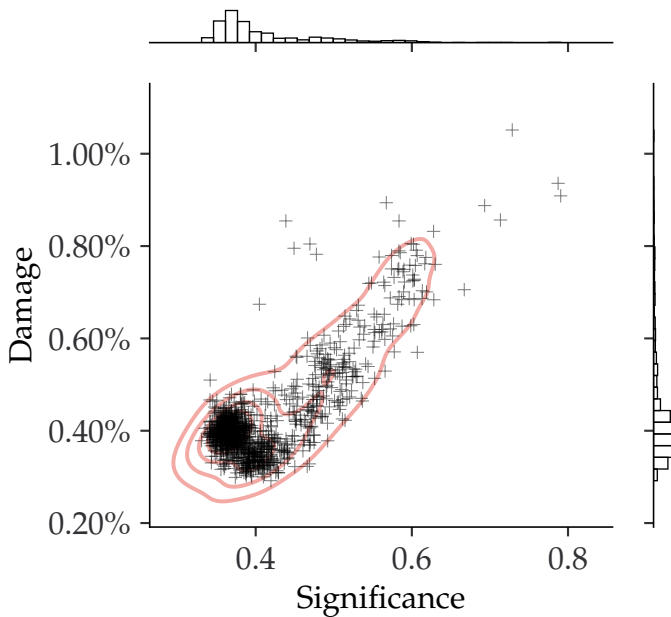
sim_N_reads = 50, # = 1000

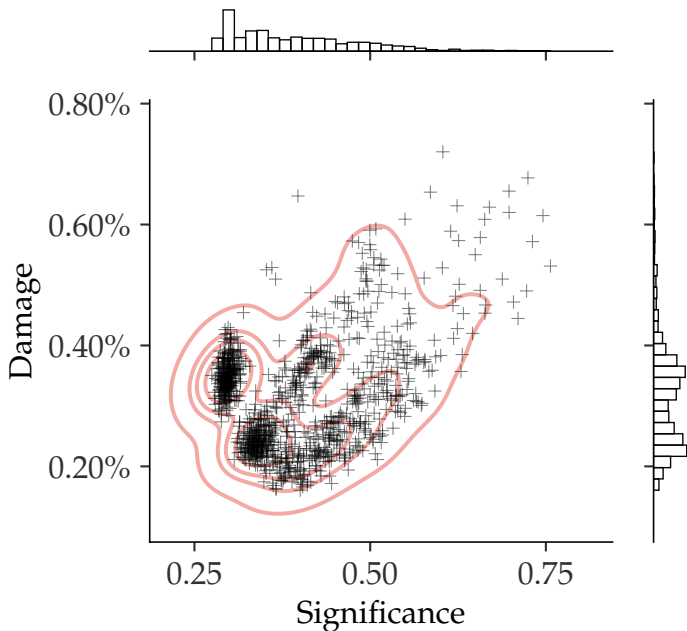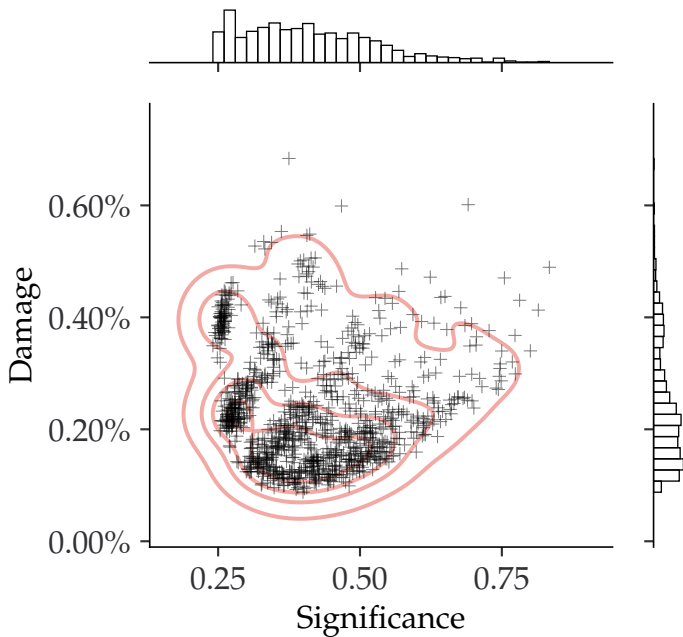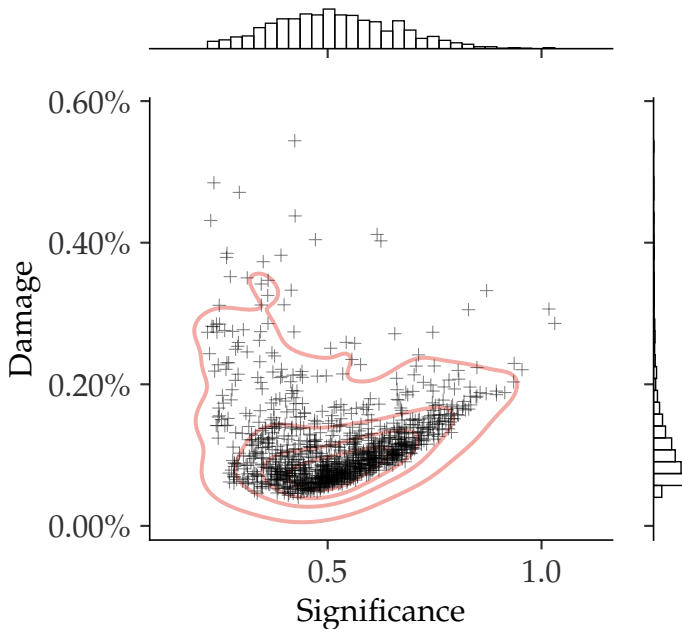sim_N_reads = 100, # = 1000

sim_N_reads = 250, # = 1000
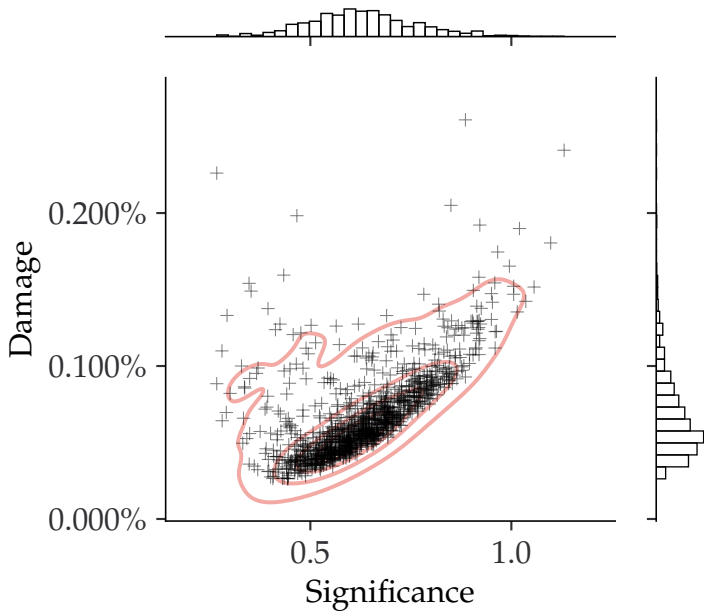
sim_N_reads = 500, # = 1000
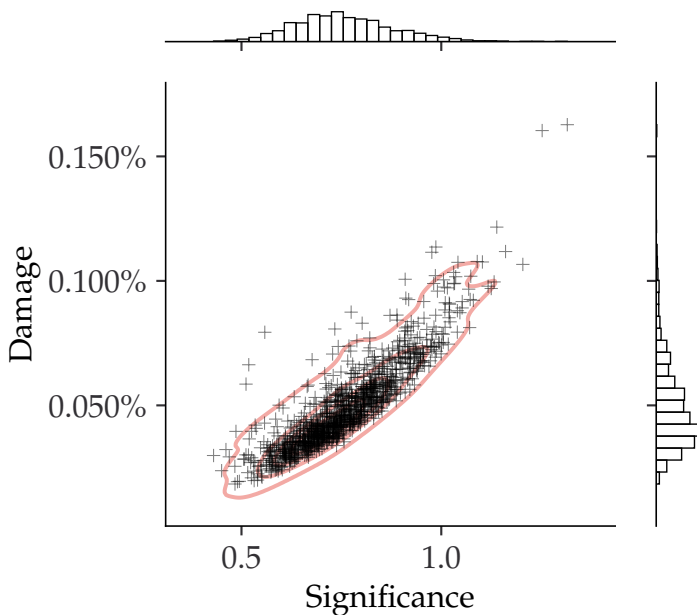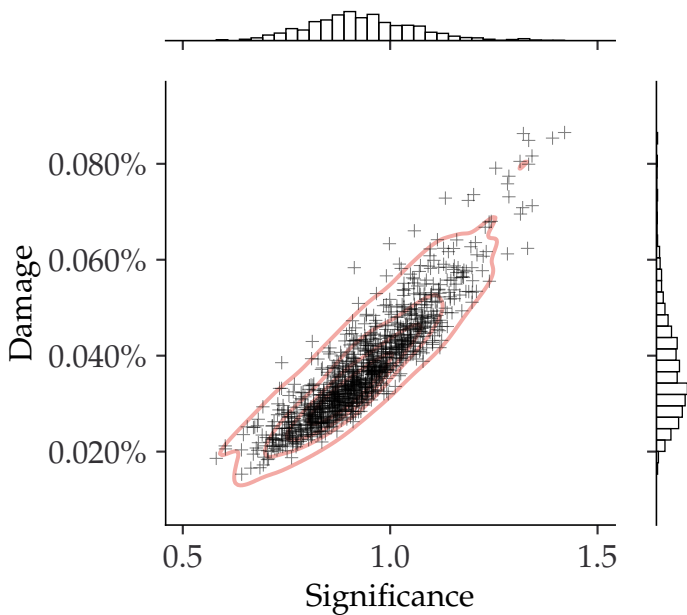
sim_N_reads = 1000, # = 1000
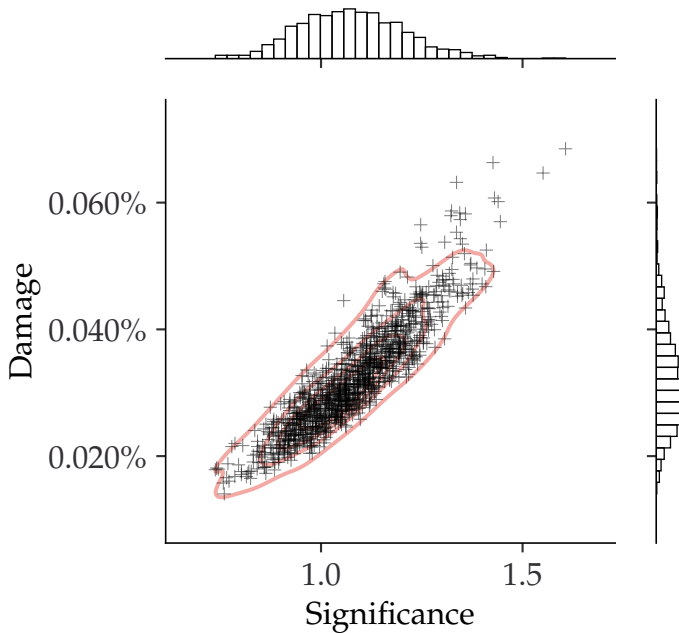
sim_N_reads = 2500, # = 1000

sim_N_reads = 5000, # = 1000

sim_N_reads = 10000, # = 1000

sim_N_reads = 25000, # = 1000

sim_N_reads = 50000, # = 1000

sim_N_reads = 100000, # = 1000