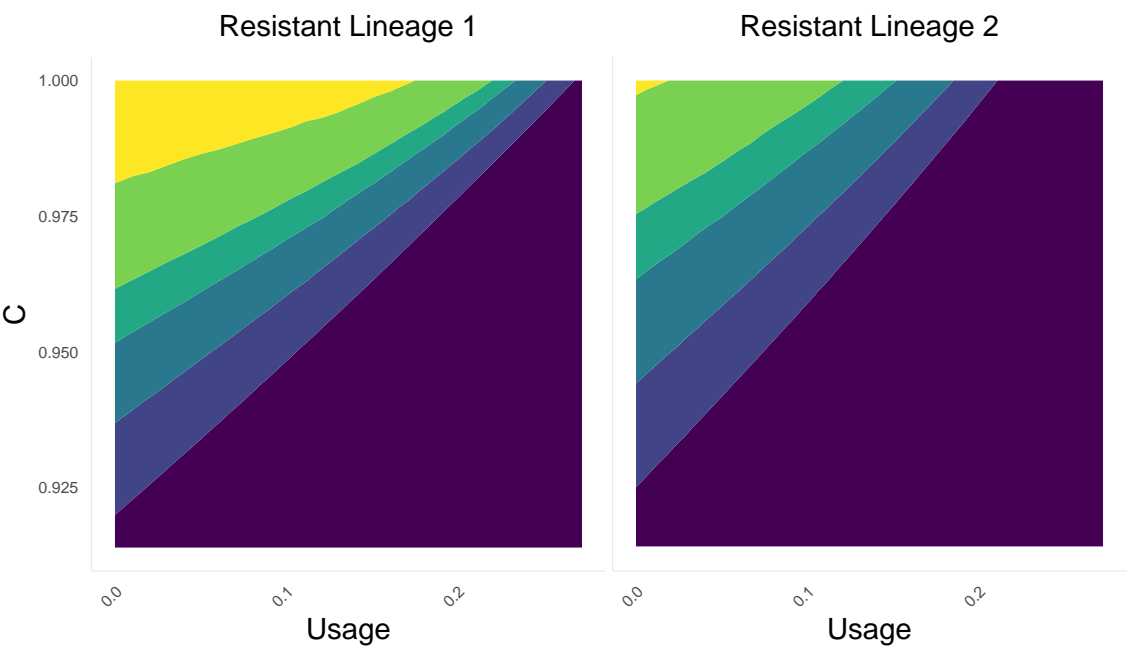Posterior Probability of $R_r(t)/R_s(t) < C$ given usage level