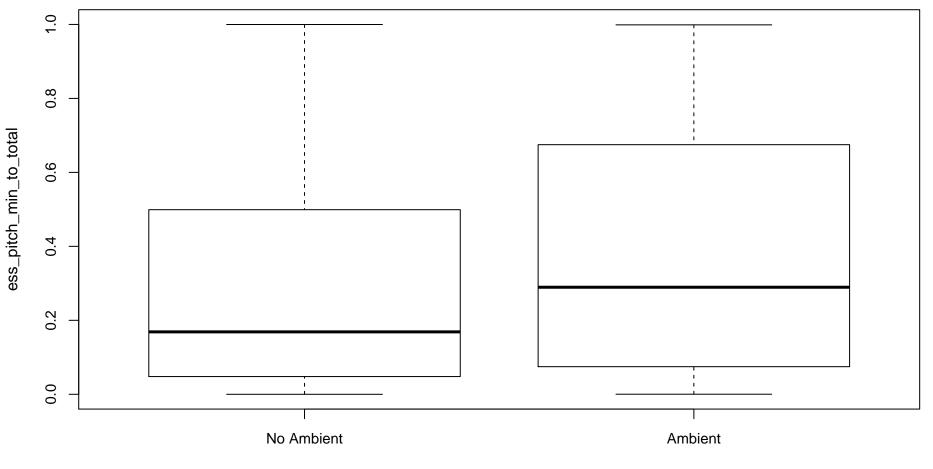ess_pitch_min_to_total