density(x = x.reflect, weights = p.reflect)
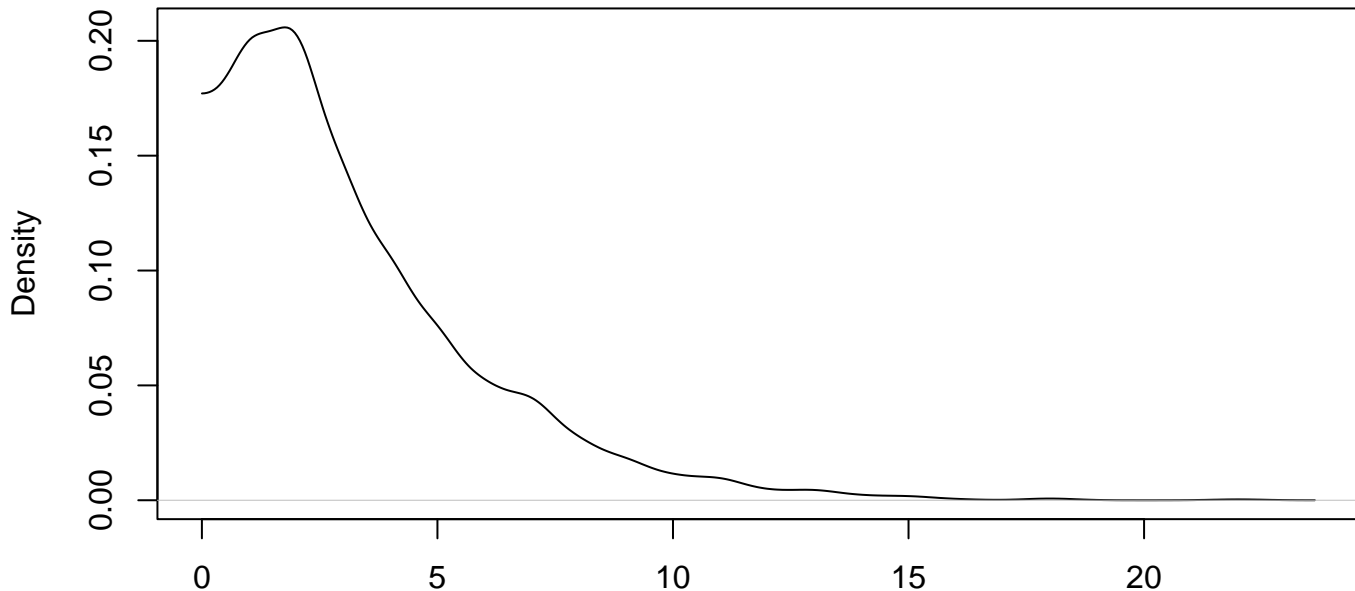
N = 3001   Bandwidth = 0.5417