**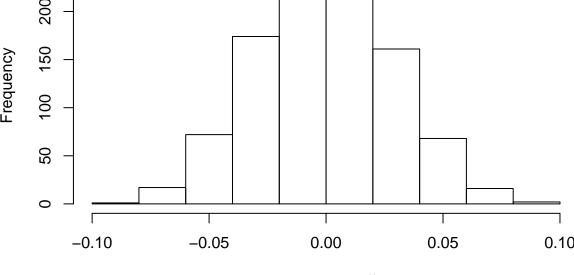Histogram of simulated_mean_difference**