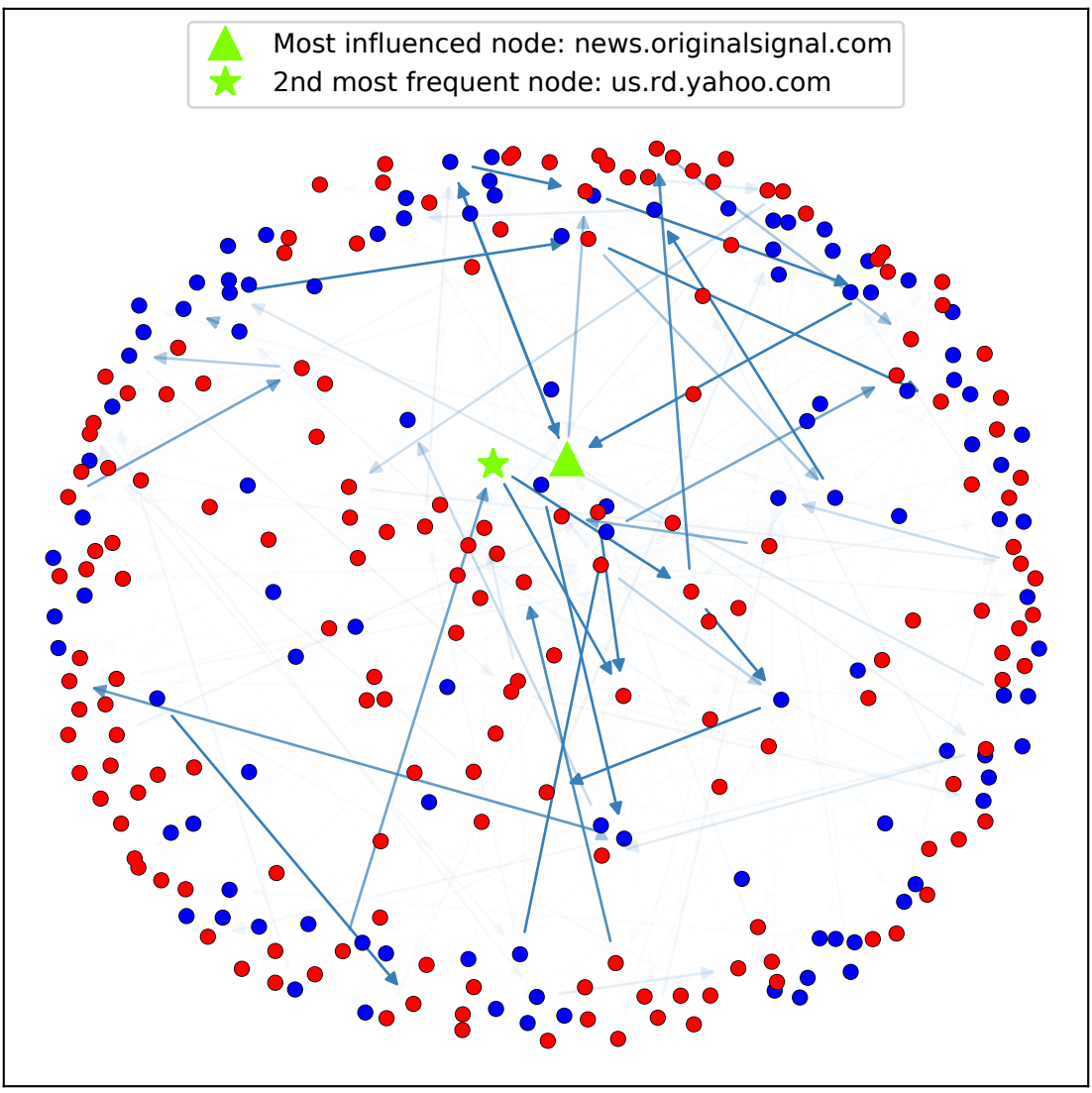Pop = 256/10002