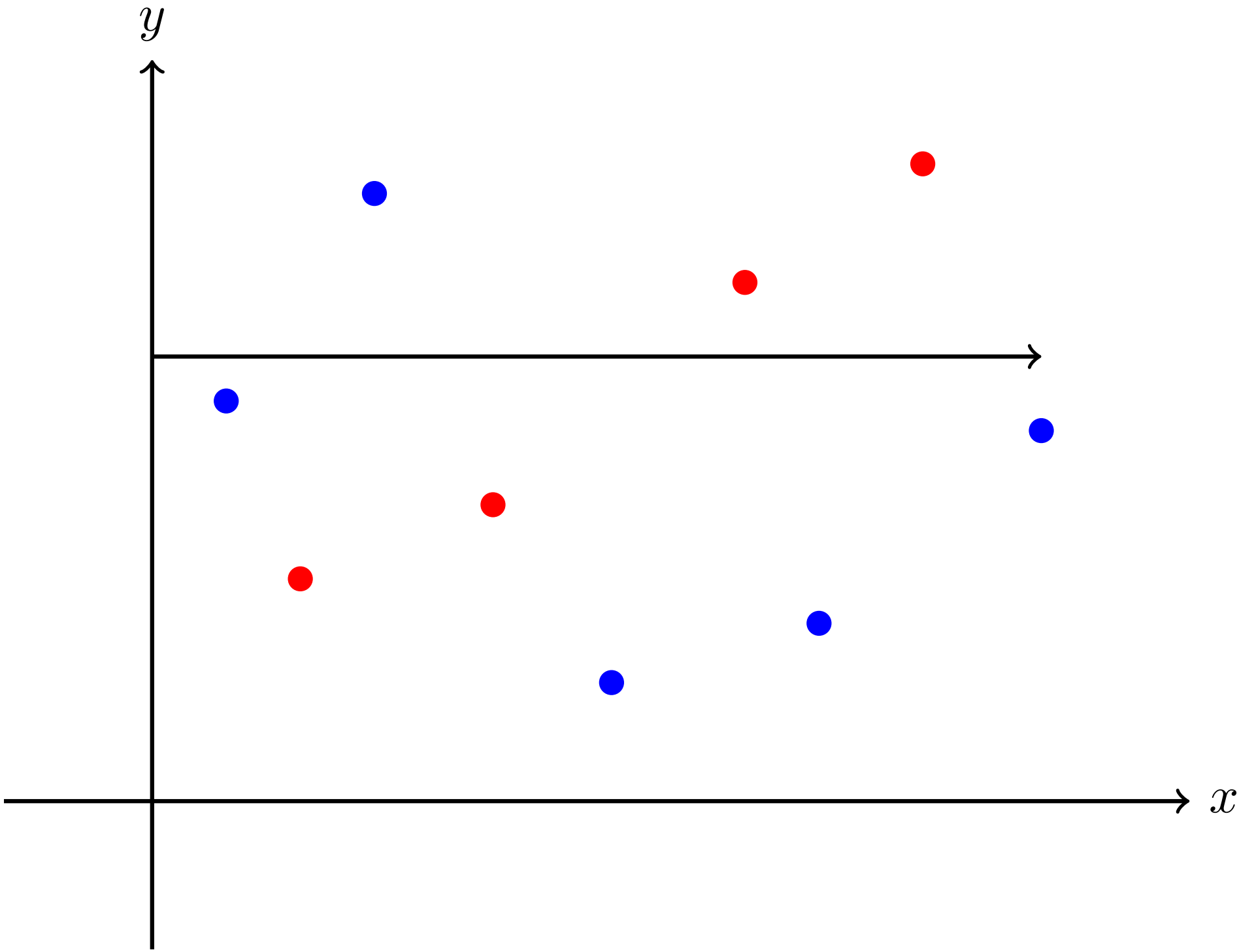
y
x

Figure 1: An illustration of no correlation ($r_{xy} \approx 0$).