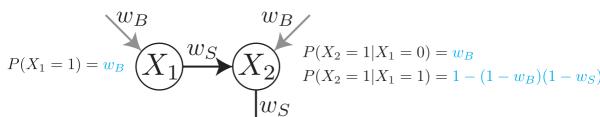
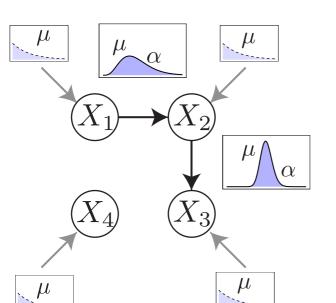
a) Causal Bayesian network (independent trial data)



 $P(X_3 = 1 | X_2 = 0) = w_B$

 $P(X_3 = 1|X_2 = 1) = 1 - (1 - w_B)(1 - w_S)$

 $P(X_4 = 1) = w_B$



b) OU-network (time series data)

