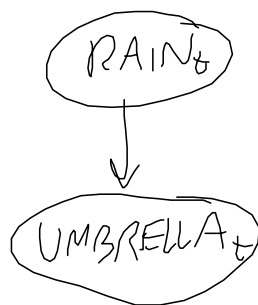# Rain example transition and sensor model

Wednesday, November 2, 2016   9:29 AM

transition $(RAIN_{t-1}) \longrightarrow (RAIN_t)$

R_{t-1}	$P(R_t = TRUE \mid R_{t-1})$	$P(R_t = FALSE \mid R_{t-1})$
T	0.7	0.3
F	0.3	0.7

sensor model $(RAIN_t)$

$\downarrow$

$(UMBRELLA_t)$

R_t	$P(U_t = TRUE \mid R_t)$	$P(U_t = FALSE \mid R_t)$
T	0.9	0.1
F	0.2	0.8