Statistical (vertical axis, top)

Logical (vertical axis, bottom)

Propositional (horizontal axis, left)

Relational (horizontal axis, right)
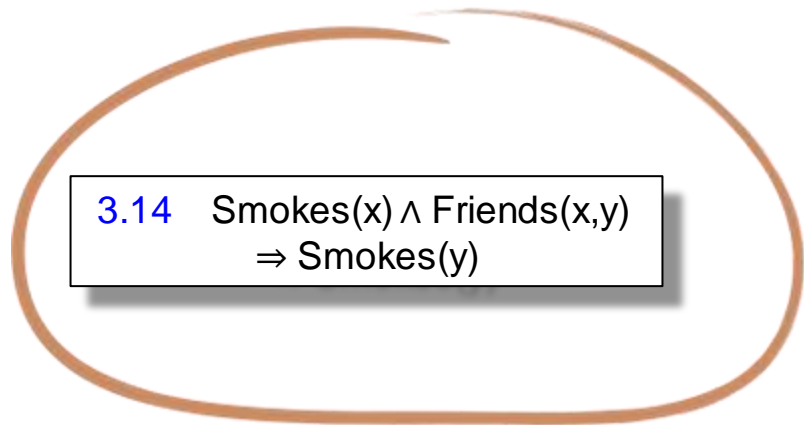
Cloudy	Rain	P(Rain|Cloudy)
T	T	0.80
T	F	0.20
F	T	0.01
F	F	0.99

3.14   Smokes(x) ∧ Friends(x,y) ⇒ Smokes(y)

Rain ⇒ Cloudy

∀x, ∀y, Smokes(x) ∧ Friends(x,y) ⇒ Smokes(y)