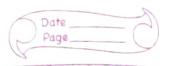
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8		

Name: - Parshura Shat, UID: - 201	9230071
Tutorial 7	
(Bayesian network)	
travel > foreign purchase	
> fraud 7	
> increased moderality of trans	el makes fraud more likely.
Finerened probability of lose	el makes fraud more likely.  ign purchase makes fraud more idence for fraud.
likely. Eurian numbers is ex	idence for trans.
> travel of brand can course for	ign purchase. Travel explains foreign
purchase & so is evidence aga	int fraud.
True Estre	Travel Frank True Eake
0.05 0.95	True True 0.9 0.1
-	Eake True 0.1 0.9
Travel True Eshe	True Eake 0.9 O.1
True 0.01 0.99	Eatre Eatre 0.01 0.99
Eahe 0.002 0.998	
1) travel = ? F.P. = true from	ud = 7 [ clamilia hidden verilles]
(foreign nurchase)	ud = ? [ clanify hidden variables]
P(fraud = true   F. P. = true)	
= x [ (P(froud = true) trand = t	me) x P(FP=true)]
~ [ P(travel=true   travel fol	he)x P(FP=true)
troud = Lake brand : 1x	ue) × P(Ismul: Isla)
troud = fahre, frand: ir	Oc) value and
0.00064x	X O. 1 X 0. 45
0.000	
(coil du	
Similarly, P (fraud=fatre / FP=true)	
( frame form 171-1000)	



$$X = \frac{1}{0.04455 + 0.00045} = 22.222$$