Varun Magotua Tutamal 7 Bayesian Network Travel - Foreign Pwichare

Frand Turnased probability of travel makes fraud more likely. Travel and Fraud can each sauce foreign purchase Travel explains Foreign purchase and so is evidence against Fraud Tome False 0.05 0.95 Travel Frank T F Travel - Foreign True Tune 0.9 0.1 Purchase False Terre 0.10 0.9 Tene False 0.9 0.10 False False 0.01 0.29 Toure a Classify the hidden baruable [Thank ??]

P(Frand = Time / Foreign Purchan = True)

= x * [P(Frand = true) travel = true) * P(Foreign-Purchan

= true) travel 2 true; travel = true) * P(travel = trut) 2 x x [0.01 * 0.90 * 0.05 + 0.002 * 0.10 * 0.95] 2 x [0.00045+0.00019]

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12	0.00064 ~
	P(Fusual = False / Foreign purchase = time) X + [0.99 x 0.90 x 0.05 +0.098 x 0.01 x 0.95]
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*	0.05403) ~
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	. P (Ferourd : true / Georeign punclase : true) 21.177.
2.	P/ Evand a terra I G D . L . L
	P(Frand = terre / Foreign - Purchase = true, travel = terre)
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	P/ Frand = False / Farring - Property - A -+ + +
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	d 2 1 2 22.22
	0.00045+0.04455
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	P (Ferand 2 term Foreign Purchase 2 term, terand 2 tem)
	2 0.01
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Date.