Turprial- of (Bayeslan network) travel - foreign purchase Jeand (Jeanel-aux frand)

- increased prob. of tearnel make frand More likely.

- increased prob. of foreign purchase makes frond more likely.

Foreign purchase is evidence for frand.

- travel of frand can cause foreign purchase Tearel explaine going quechase & so is evidence against frand. speand I There False 0.05 0.95 Feard True False Teduel TRUE Till 09 0.1 False travel True False There 10.1 0.9 Ilal False 0.9 0,1 Teur 0.01 0.99 talse of talse False 0.002 0.998 1) teavel =?, F.P. = tece, feared =? [classify hidden rainables] P(beaud=teve | F.P. = teve) = x [[P(feard = fene) fearel = tene) x P(FP = tene)] = of p (feared=true) travel=false) x P (FP=true) travel=false, found=true) x P (travel=false) = d [0.01 x 0.9x0.05 + 0.002x 0.1x0.95] = 0.00064 X s, mitaely, P[Beard = fecke | FP = tere) = x [0.99 x 0.9 x 0.05 + 0.998 x 0.01 x 0.95] = 0.05405/X

= 18.2910.00064+0.05403 p (Seard = terre | FP = tore) = 0.00064 X = 0.0117in P(feared = tere | FP = tere) = 1.17%. 2) P( beind = tare / FP = tace, travel = tace) = x x 0.00045 P(fearel = false | FP = tone, fearel = true) = x x0.04455 P(feard = true ) FP = terre, tearel = true) = X x 0',00045 = 22-222 x 0,0004 f = 0.01 = 11/1