Assignment-01

Course Title: Pattern Recognition

. Course Code: CSJ 415

Submitted By

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Section: B

Bayesian Network: Bayes nets are graphical models for reasoning under uncertainty. The nodes in a bagesian network nernesent a set of random variables. It's a directed acyclic graph

Advantages:

a. Bayesian network nepresents the casual Proobabilistic relationship among a set of roandom -variables.

b. It represents conditional dependencises.

C. It does Panameter learning

d. Interning knobserved Variables

e. Hruelune learning

Example:

P(B) P(~B) 0.001 0.999 Bunglany	Fanthquake) P(E) P(-E)
3 E- P(A) 1 1 0.95 1 F 0.94 ALO	
A P(3) 1 0.9 F 0.05 John Calls	Mony Calls T 0.7
	Bayesian Nelwork

19: Bayesian Nelwork

The Cincles neProesent nandom vaniable. The annows are used to show influence.