

# Bayesian Networks

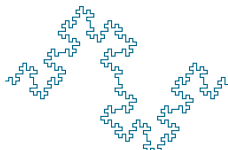
## Hidden Markov Models

### Description and applications

Rafael Pérez Torres

Selected Topics on Pattern Recognition  
Profesor: Dr. Wilfrido Gómez Flores

*LTI Cinvestav*



# AGENDA

## BAYESIAN NETWORKS

- Introduction

- Components

- Applications

## HIDDEN MARKOV MODELS

- Introduction

- Components

- Applications

# INTRODUCTION TO BAYESIAN NETWORKS (BN)

- ▶ The introduction to bayesian networks

# BN BASIC COMPONENTS

- ▶ The basic components of bayesian networks

# BN APPLICATIONS

- ▶ The applications of bayesian networks

# INTRODUCTION TO HIDDEN MARKOV MODELS (HMM)

- ▶ The introduction to HMM

# HMM BASIC COMPONENTS

- ▶ The basic components of HMM

# BN APPLICATIONS

- ▶ The applications of HMM