

Naïve Bayesians

Part 1: Beginning at the End

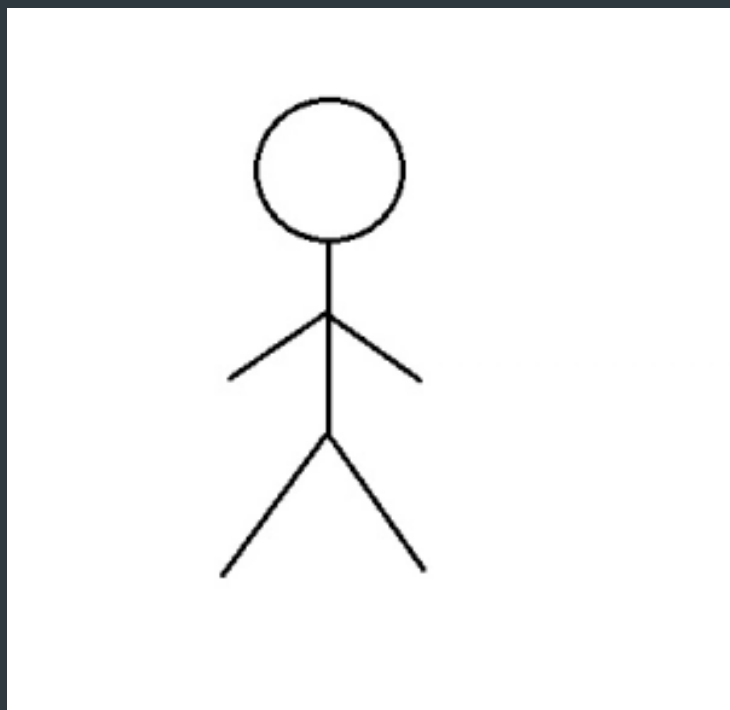
18th July 2020

Agenda

1. Introduction
2. Setting up the overall goal
3. Steps to achieve the goal
4. Resources
5. Discussion

My Story

Before



After



Goal

Developing the Bayesian muscle to solve a wide range of problems



If you caught your colleague stealing bagels in the cafeteria, how many times do you think he has stolen bagels before? What if you catch him stealing next week?

Naïve Bayesian Philosophy

Intuitive (Visual)
Understanding of the
Bayesian Reasoning

Ability to model real
world problems in a
Bayesian Setting

Fluency in the Calculus
of Bayesian Stats & ML
model

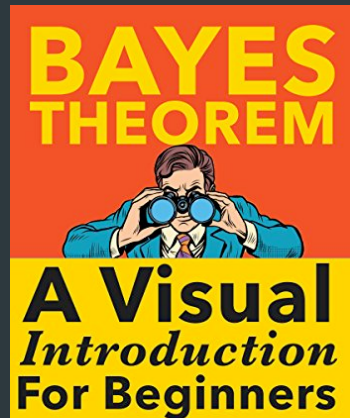
Starting from Simple
Probabilistic modelling

Adapting it in a a Bayesian
setting
And moving towards ML
models



Becoming a Naïve Bayesian in 6 weeks

Intuitive (Visual)
Understanding of the
Bayesian Reasoning



SpringerLink

Brief Report | Published: 28 June 2017

How to become a Bayesian in eight easy steps: An annotated reading list

Alexander Etz, Quentin F. Gronau, Fabian Dablander, Peter A. Edelsbrunner & Beth Baribault

Psychonomic Bulletin & Review 25, 219–234 (2018) | [Cite this article](#)

14k Accesses | 19 Citations | 186 Altmetric | [Metrics](#)

Abstract

Ability to model real
world problems in a
Bayesian Setting

Browse > Data Science > Machine Learning

This course is part of the **Advanced Machine Learning Specialization**

Bayesian Methods for Machine Learning

★★★★★ 4.5 553 ratings

Daniil Polykovskiy [+1 more instructor](#)

Enroll for Free
Starts Jul 18

Financial aid available

44,861 already enrolled

Fluency in the Calculus
of Bayesian Stats & ML
model

