Trajectory Generation

Research internship

Adrien Lafage

24.08.2021

ONERA

Summary

- Introduction
- DBSCAN + GMM
- PCA + normal law
- PCA + kde
- Autoencoders
- Variational Autoencoder
- Vine Copula Autoencoder
- Metrics

Introduction

Probabilistic Model

DBSCAN + GMM

1. Clustering

- Limitations: noisy output

DBSCAN + GMM

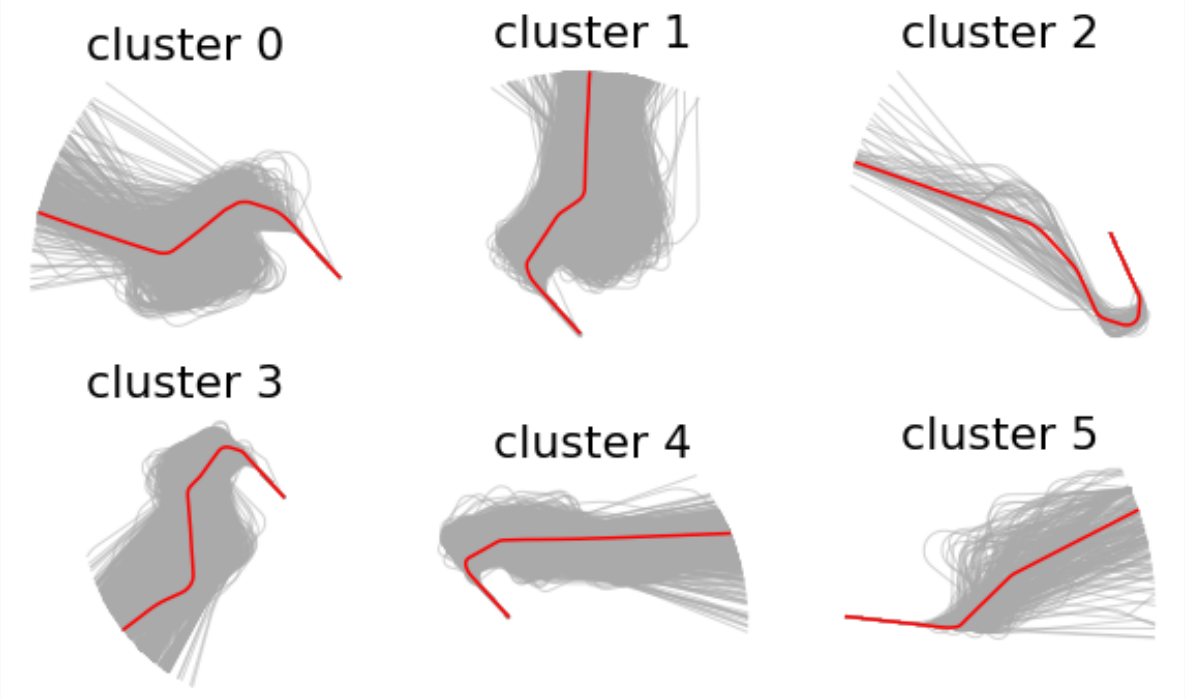

Figure 1: clustering

Dimensionality reduction

Deep Generative Models

Autoencoders

Variational Autoencoder

Vine Copula Autoencoder

Metrics