

Machine Learning For Jet Tagging

HEP Algorithms

Traditional NNs

[Deep-learned Top Tagging with a Lorentz Layer](#)

[Deep-learning Top Taggers or The End of QCD?](#)

Less Supervised Algorithms

[Deep Learning Jet Substructure from Two-Particle Correlation](#)

[Uncovering latent jet substructure](#)

Graph NNs

[Qjets: A Non-Deterministic Approach to Tree-Based Jet Substructure](#)

Normalizing Flows

[Testing the boundaries: Normalizing Flows for higher dimensional data sets](#)

Reviews

[Jet substructure at the Large Hadron Collider: A review of recent advances in theory and machine learning](#)

- [start at page 42](#)
[A Living Review of Machine Learning for Particle Physics](#)

Markov Chains

[Chapter 15: Probabilistic Reasoning Over Time](#)

- [features Markov chains](#)

Structure/Dynamic ML

[Dynamic Network Models for Forecasting](#)

[Structured machine learning: the next ten years](#)

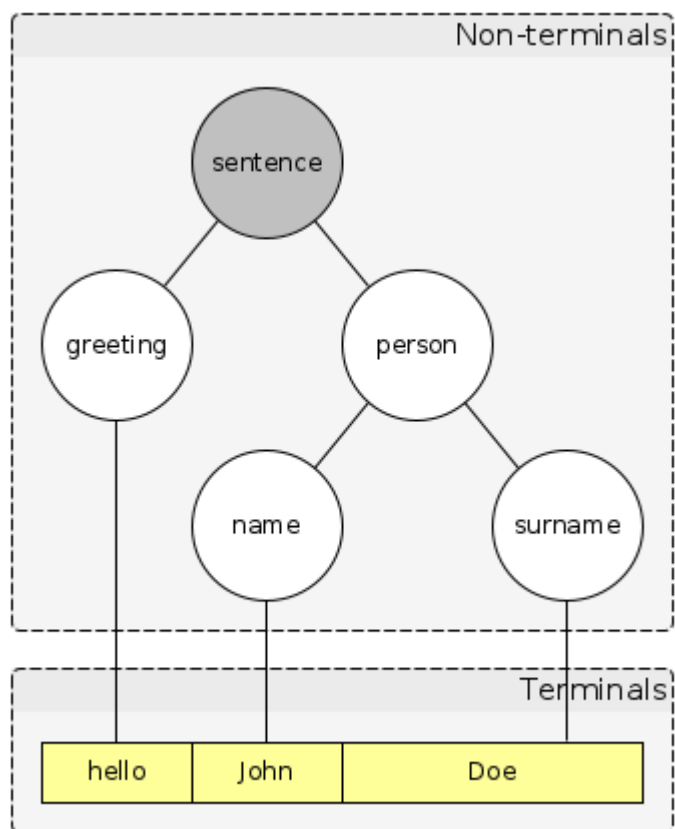
Bayesian Networks

Bayesian networks

- overview of Bayesian networks in Nature

Notes

- hidden markov chains?
- temporal evolution of probability distributions estimated with universal density estimator
 - normalizing flows
 - splines
- Terminal and non-terminal labels



- terminal labels are the leaves of the semantics branch (they terminate the topics)