

Decision Tree algorithms and Big Data processing

Ilias Kotsireas

CARGO lab, Wilfrid Laurier University, Canada

Abstract

Classification is a well-known Data Mining task. Decision Trees are a well-known classification concept. We will present in detail the ID3 and C4.5 algorithms for building Decision Trees, illustrated with specific examples. We will also review various extensions/parallelizations of these algorithms that can be used to process large data sets (Big Data).