

DESIGN CURVES (PART I)

Supervised Learning:

Decision Trees

- supervised learning $T : \mathbf{x} \rightarrow y$
- classification or regression
- traditionally created manually
- tree-growing algorithms to optimize decision

Example: Processing mortgage applications

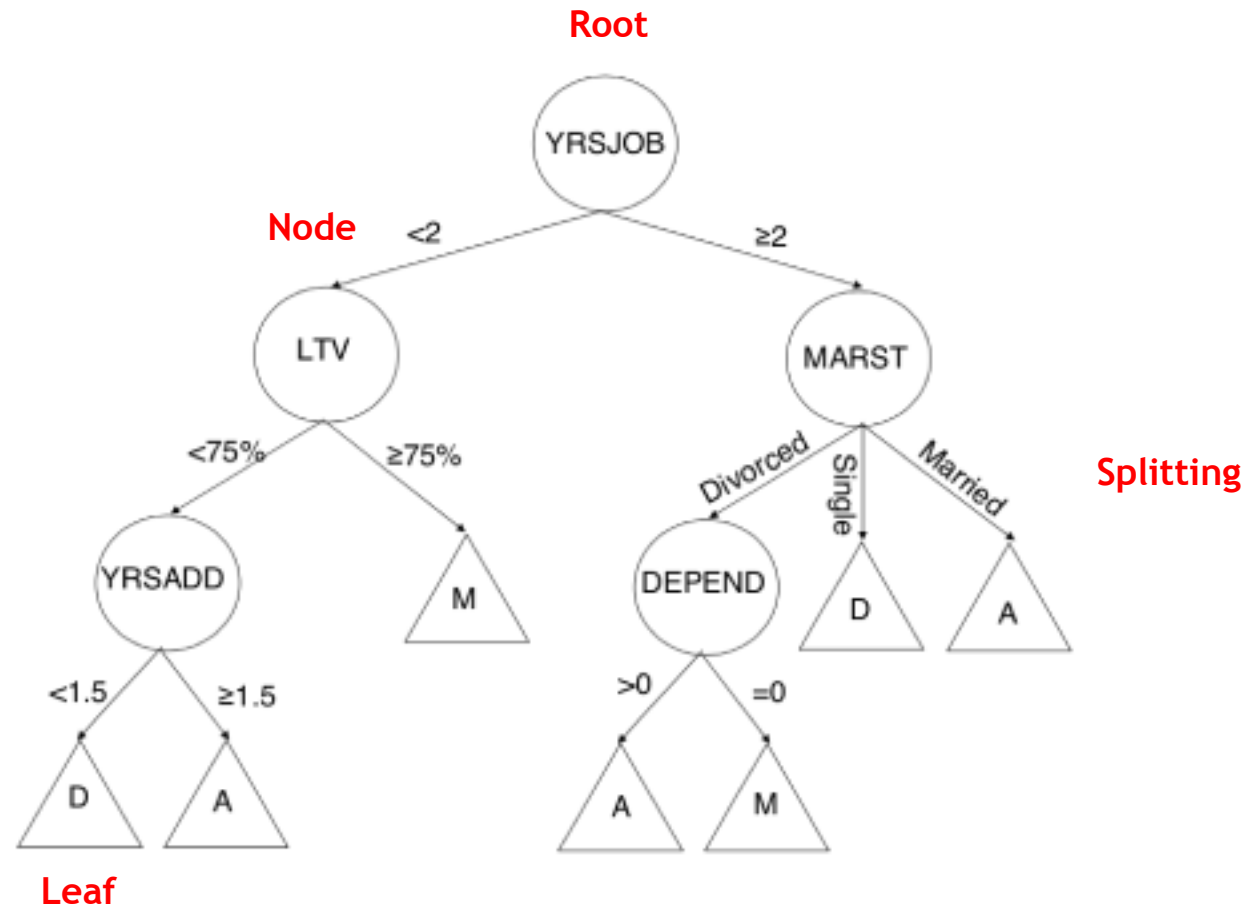
YRSJOB: Years at current job

YRSADD: Years at current address

DEPEND: # of dependents

MARST: marital status

LTV: loan-to-value ratio



Supervised Learning:

DECISION TREES (RECURSIVE PARTITIONING)