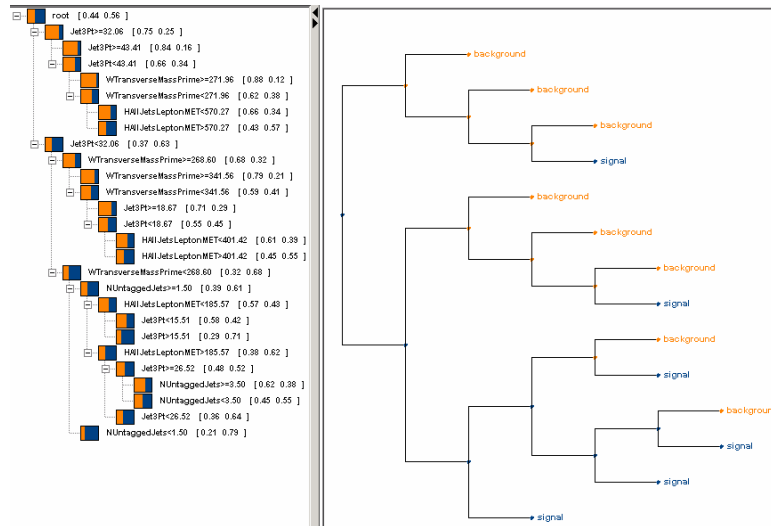
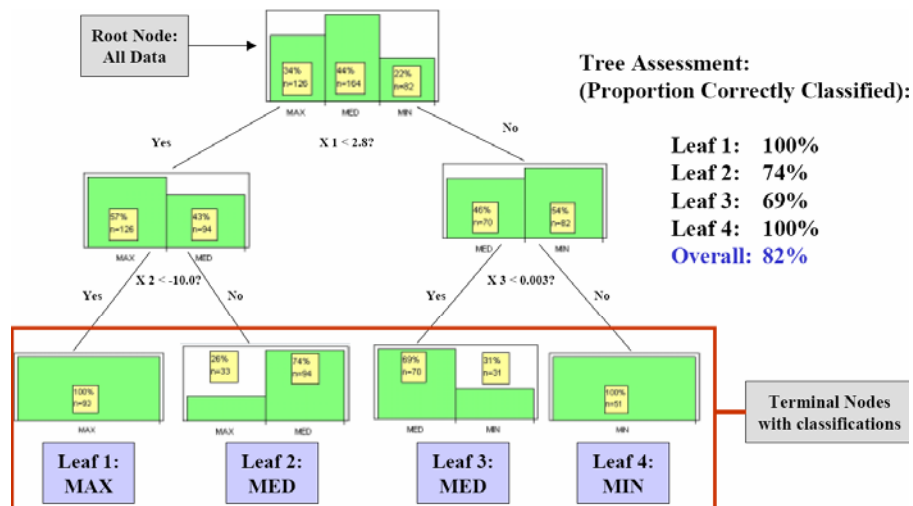


Decision Tree



Classification Example



Construction of a Decision Tree

- Expert knowledge
- Statistical analysis
 - Training data (same as doing a supervised classification)
 - Tree (S-Plus command) – recursive partitioning
 - Pruning to limit the size of terminal nodes

ERDAS Imagine Expert Classifier

- A **rule** is a **conditional** statement, or list of conditional statements, about the **variable**'s data values and/or attributes that determine an informational component or **hypotheses**.
- Multiple rules and hypotheses can be linked to describes a final set of terminal hypotheses.
- A confidence value is associated with a condition.

