



Decision-Tree Construction Algorithm

Procedure *GrowTree* (S)

Partition (S);

Procedure Partition (S)

if ($\text{purity}(S) > \delta_p$ or $|S| < \delta_s$) **then**

return;

for each attribute A

 evaluate splits on attribute A ;

Use best split found (across all attributes) to partition

S into S_1, S_2, \dots, S_r ,

for $i = 1, 2, \dots, r$

 Partition (S_i);