

KUIS 1 - DATA MINING

Perhitungan Entropy dan Information Gain

Dataset Play Tennis terdiri dari 14 data.
Jumlah data Play = 10 dan Don't Play = 4.

Entropy Total

$\text{Entropy}(S) = 0.940$

Information Gain

$\text{Gain}(\text{Outlook}) = 0.246$

$\text{Gain}(\text{Humidity}) = 0.448$

$\text{Gain}(\text{Windy}) = 0.048$

$\text{Gain}(\text{Temperature}) = 0.029$

Atribut dengan gain terbesar adalah Humidity

Pohon Keputusan

Jika Humidity = High maka Don't Play

Jika Humidity = Normal maka Play