

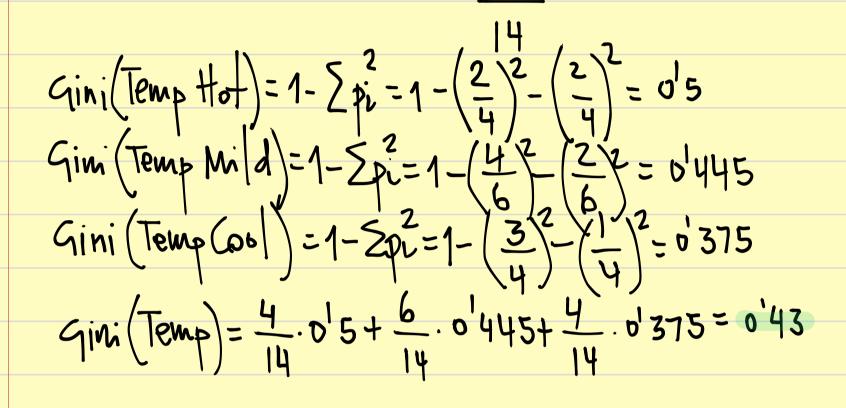
Outlook. Ist ein nominales Merkmal und hanndrei Werte annehmen sunny overcast/rainfall.

OUTLOOK YES No #

Sunny 2 3 5 Gini (Outlooksmy)=1- $\sum_{i=1}^{2} = 1 - (\frac{2}{5})^{2} - (\frac{3}{5})^{2} = 0.48$ Rainfall 3 2 5 Gini (Orthook Overc)=1-(4)=0

Gini (Orthook Rainfall)=1-(3)-(2)-048

TEMPERATURE	Yes	No	#_
HOT	2	2	4
MILD	4	2	6
COOL	3	1	4



HVMIDITY Yes No #

High 3 4 7

NORMAL 6 1 7

Gini (Humidity High)= 
$$1-2pi=$$

=  $1-(\frac{3}{7})-(\frac{4}{7})=0$ 49

Gini (Humidity Normal)=  $1-2p2=$ 

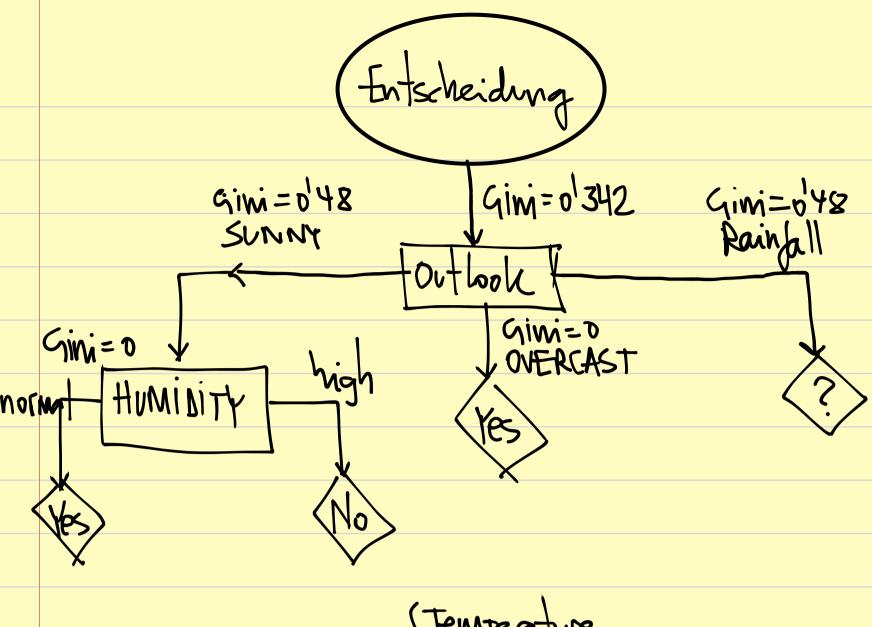
=  $1-(\frac{6}{7})^2-(\frac{1}{7})^2=0$ 24

Gini (Humidity)=  $\frac{7}{14}\cdot 0$ 49 +  $\frac{7}{14}\cdot 0$ 24 =  $0$ 367

die geningste
die geningste Ver internique
Verinterniqua
7 wdwirdols,
28 Knotegewant
V
21Mi = 048
eainfall
X 2

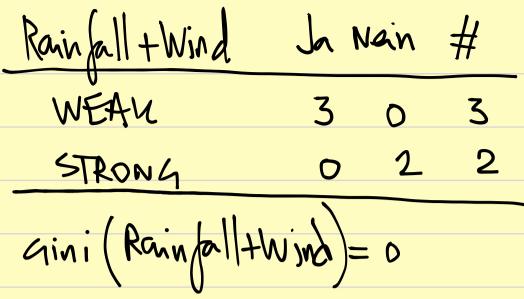
SUNNY+Temp.	Ja	Nein	#
HOT	0	2	2
Mild	1	1	2
COOL	1	0	1

Gini (Sunny+Temp.Hot) = 
$$1 - (\frac{0}{2})^2 - (\frac{5}{2})^2 = 0$$
  
Gini (Sunny+TempMild) =  $1 - (\frac{1}{2})^2 - (\frac{1}{2})^2 = 0$   
Gini (Sunny+TempCool) =  $1 - (\frac{1}{2})^2 - (\frac{1}{2})^2 = 0$   
Gini (Sunny+Temp) =  $0 \cdot \frac{2}{5} + 0 \cdot \frac{1}{5} = \frac{1}{5}$ 

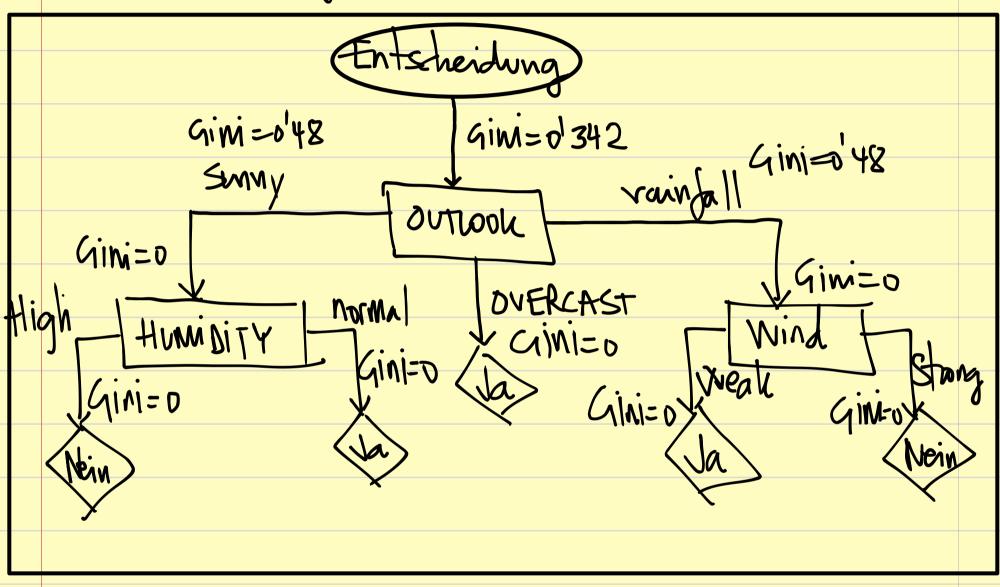


Outbook Rainfall Stemperature

Gini (Rainfall+TempHot) = 1-(=) = 015 Gini (Rainfall+TempMild) = 1-(=) = 044 Gini (Rainfall+Temp) = 015. = 044. = 0467



Day	outlook	temperature	humidity	wind	Decision
1	sunny	hot	high	weak	No
2	sunny	hot	high	strong	No
3	overcast	hot	high	weak	Yes
4	rainfall	mild	high	weak	Yes
5	rainfall	cool	normal	weak	Yes
6	rainfall	cool	normal	strong	No
7	overcast	cool	normal	wtrong	Yes
8	sunny	mild	high	weak	No
9	sunny	cool	normal	weak	Yes
10	rainfall	mild	normal	weak	Yes
11	sunny	mild	normal	strong	Yes
12	overcast	mild	high	strong	Yes
13	overcast	hot	normal	weak	Yes
14	rainfall	mild	high	strong	No



Beispiel SEX Ja/Noin.

	1	11	<b>A</b> (	1		
	Wohnungs.	Simule	titness	Mond	Sex	
	Wohnungs. Verschmutzung	Cesprache	Niveau	•	·	
1.	stark	+ }	hoch	Vol	Ja	
2.	schwach	oft	gering		and Neiv	1
3.	Sauber	selten		Vol	Ja	
4.	stark	+}0	mittel	almehr	ol brow	
5.	starle	sellen	hoch	100	W.	· <b>\</b> \
6.	Sauler	off	hoch	wacl	nsend J	a
7.	schwach	oft	mille	Vo	We We	N
8.	stavle	oft.	geri		.11 Ja	
9.	schwach		en gen	NA N	en J	a
lo.	Sander	off		10 N	nen Me	۲۸
		()				