MultiClass vs MultiLabel Classification
Mutually Evolusive 3 Related in such a way
each thing makes the other thing impossible. (Not able
to the save time!
d Williclass = - Mutually-Exclusive-Wisjain-1
Multilabel → Pot mutually-exclusive (Agricanda alabilit)
11. 000 Class
- Multiclass: Every instance has exactly one Class.
> Ask people favourite color among Blue, y, Red. With
"One vs Rest" method, 3 binary classifiers, are trained.
1) B-vs_not B, where the Y and R are labelled "not B"
2) Y xs not Y " B and R " " not Y" -
3) Rys_not R
These 3 models are not Independent, (SR if the Class is B.
then connat be Yar R)
"Dispirt dayların olasılıkları toplamı 1 dir. Günkü kümedeki
her bic alayer alasılığı, bütünün kescidir (Dikkat)
-Mutually exclusive olayların olasılıkları toplamı 1 dedik;
ancak bu entire probability space deki tilm alaylar
dahil ise gegerlidir. Genel tabicile, when we have
disjoint events that comprises all possible outcomes
then the Sum of probabilities is 1; otherwise Sum #1)
Hutually Exclusive:
L= P(A and B) = 0
P(Dor.B) = P(A) + P(B)

- Probleminit Kapsamunda Entire probability space init
- Lin-classlars kapsayacagi iqin; DS projeterinde Olasiliklar
-toplane 1 olur. Her bioacy classifier dan elasuik
- dezeri: toplam- alasılık değerine bölünerek ber class.
igin Probability gililic se bu olasılıklarıa toplamı 1 dir
- Multilabel: Allow every instance to have any number.
of classes. Multiclass 'tan farklı clarak; bukez enforceri
-renzi dezili Renklerden hagilerini sevdikleri insanlara
_soculuyor_Bu durumda; Person might like all 3 colors
or few or none. This shows that Binary classifiers
are independent,
Fitting one classifier Per Target
Pot Mutually Exclusive => P(AUB)=P(A)+P(B)-P(ADB)
Ornégin; Binary classifier lar dan Biri föyle alacak:
1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
1) For "B" vs "not B", where Bat "B" and "not B" classes
_ can contain instances which also have Y or R(or both)
con contean 112 laices willen also have Lar - h Lot both
- Jonus alarak; Siniflandinicilar Bagimsizdir; Bir go'election
- "B" sinifina Sahip oldugunu bilmek diger siniflat ifin bit
- anlam ifade etmez. !!!