

Preol 0 10 Pi= (Pin) - Pig) notald - AZ Piklog Pik Shannon endropy Q (1-P) J Pik 2 Pik

ccf ≥ 0.5 ccf ≥ 0.76 in /out 14 out 14 W. C. Saline 0\$ 0.75 05 0-25 íu 50% 75% 25%

Some Equalsin method -> skew data will be problematic Quantile method is better binning + lassed regression Yij = (2 b. xij) + Deercetty + bixi for each j=1,70
intercept 150.3

Col = 496(1,1,1, alpha = 0.1)

Visual Diagnostics of a model explainer at the example of LIME main objective of model explainer:

o understand and explain model performance LIME does ....

Conceptually: models at two levels:

explaines model

- "simple"

original "black box" model - "complicated"

Usually: model predictions, maybe with ground truth

Type I error model is wrong

Type I error

Exploration is also a prediction - how teliable is that exploration?

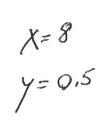
Explaines model has very low Regenerally
- probably due do brinning

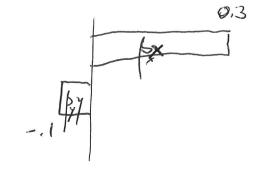
Local explanations are not local, but are driven by the (global) magnial distribution of covariales

Describe LIME, including details on binning and linear tegression in binned foodures

trotivation

XC[] [AX]





style file

Rua Edown;

@ bibtex dag

[@ biblextag]

Torest; Oref2]

Author (2010)

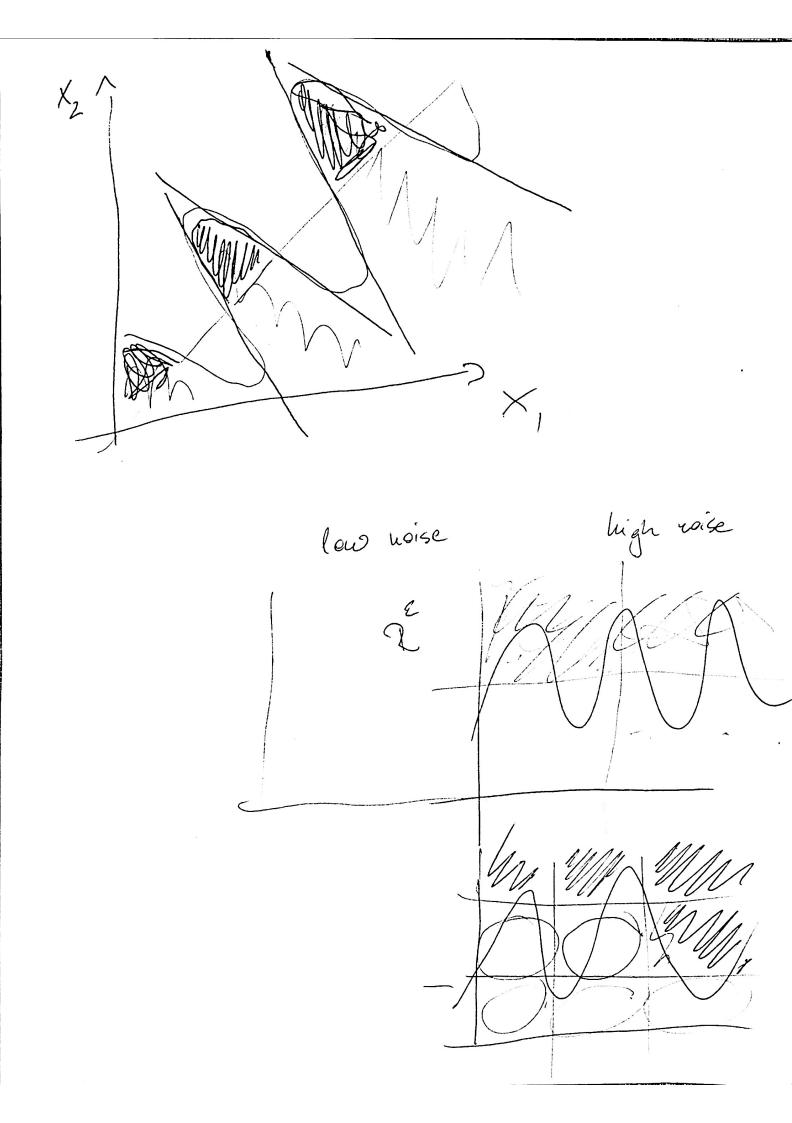
(Author 2010)

(Author 1 2019, Author 2 et al 2013)

Yaml:

bibliography:

halve. 606



4 is low number (indepretable) ( 4 might not be very tuodel agnostic explanations Expectations for explanations - dada driven by relevant features - "explain": difference in coefficients Randon forest variable deterministic/ non-deterministic l'uportance for identify televant features Score boused Likelihood Ratio/Bayes facolot

 $Z = ax_1 + bx_2$ local sumarifes