

### non-parametric regression model for silence reduction in the field of image retrieval. Necir Zakarya



some parametric and parametric parametric and non - parametric non-parametric definition And parametricThis parametric and regression and parametric and non This post shows some methods of parametric definition.

> statistical processes for regression analysis is a set of

in this program we will focus on mechanism helps us in this field: non-parametric methods as they nelp us to study a sample of some mages so that the KNN

#### The simple linear regression method non-Parametric:

variables is varied, while the

when any one of the independent dependent variable changes how the typical value of the analysis helps one understand More specifically, regression more independent variables . dependent variable and one or relationship between a when the focus is on the

other independent variables are

The simple linear regression

held fixed.

statistics in different ways, the most common of which is the given as follows:  $y = f(x) + \varepsilon$ regression model for Y on X is model defines that each used in time series analysis. regression model, which is also The linear model is used in

### regression analysis

Non-parametric method parametric method and

## 1/Parametric method

Parametric go back to Fisher, 1920: number or parameters.

Limitations of the approach:

very often asymptotic results .

approximation of the reality.

and analyzing several variables, many techniques for modeling among variables. It includes estimating the relationships

# 2/Non-parametric methods

on the parametric model because of this study. the characteristics that help us in study of the field of image retrieval In this field, we will focus on the

x through an unknown link function now related to the explanatory are taxed). The variable Explain is regularity hypotheses of the link is not imposed in the model, only Desired exibility in modeling Appear as an Alternative variable (because no parametric hypothesis which offers the Nonparametric Regression Models

that must be estimated:

 $y = f(x) + \varepsilon$ 

#### KNN Estimation

parametric method used for What is Knn? imple algorithm that stores all assification and regression ,It is a

How we can use the K-nn nechanism in the image retrieval

By using the KNN mechanism, we act as a set of images as random characteristics of the user. By this hat they represent two specific amples, Y and X are constant so elationship between Y and X gorithm, we try to find any

pproximation method that naracterizes this. Y = f(x) by using the proximity

The application of this algorithm III be a program R- statistic.