- Regression - Continuous Value (Target/Output) Classification - Catesorical Discrete Num (Target / Output)

Feature Target

Ace Charges

Ace Charges

Page Regression (Relationship b/w Target & Feature) fre delation 005b 2500+ 5 best dit line 1200 24 7 000 1000 23 15 00 Dependent Independent Variorble 100 Featyre Target 2500 0 Jarget 15 continuous.

## Repression

D Simple Linear Regression (Single independent 1615)

$$y = mx + c$$

10 Multiple Linear Regression (Multiple Independent Var)

B Polynomial Repression (When ron linear relationship)

$$y = m_1 x_1 + m_2 x_2 + m_3 x_3 + - - -$$

 $y = m_1 x_1 + m_2 x_2 + - - + c$ 

## Steps for building 9 model in python Code

- Desic EDA + Data Proparation
- D Identify Tasset & Feature
- 3 Split Data: 80/20
- (4) Troun model ving training dufon
- (5) Test model using testing dufa

Sklearn = scikitlearn

- D from sklearn-model-selection import train-test-split
- De from skleam. linear-model import Linear Regression.