Classification:

- classifier Data Into Different parts I classed arranges - case to predict from other Dataset the Input and belongs to

Browy classifications

- Porcess or task of classification in which a given, Data is being classified into Two classes.

-Basically a kind of prediction about which of two

- use some Algorithms to Do the tack.

- Logistic Regression
 - K-Peakest Neighbors
 - Decision Tree
- Support vectortrachine
 - Parve Bayes

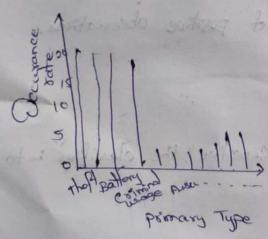
Precision:

In Binary Classification, (yes [NO) sucfess to a model's ability to conseally Interpret positive observations.

Recall:

- Sensikuly
- To Measure how " sensitive" the classifies is to Detecting positive cases.

Fi Score: - Thought of as a weighted average of preciusion of accell with the best value being , and the want being of - Presiston & Recall also Make an equal Contribution to the F. Renking. us chave a chicago dalaset & from portal The Delased Afribules are: ID common, Dala, Block, IOCR, Primary Description, Description Arrest Domestic, Boat, District, ward, Community FBM Code Coordinate, coordinate, Year, updated, Latitude, Longlitude, Location. -> pert we Display the Primary Type. And we Data Preprocessing. After that done a Data Disualizing Display a Bar Graph for primary Type (Type of T to grate the same



And Chariffey the Location Description.

And Far Grouph for Scene of Crime, Hour Crime Occarred, Day Orine Occurred, Horth Crime Occurred, year Crime Occurred, Consider,

Major Crime -> The PA,

Battery, Coprolled Danage, Nancokes, others

Display Bar Graph for Normalized Coine Types by Location, and also with Time, Day, Month, year

Applying Binasy Classification, Display the Graphwith Latitude, Logitude, closet-station, House-below-Poverty, unemployed, under18_overex, Income, Hardship Index.

Using Normalized z - Score:

we predict there is serve or not for Latitude, Longelade, Distance D., Dio, Di, Diz, Dis, Dis, Dis, Dis, Dig, Dia, Daz, Das, Da, Da, Da D6, D9, Timblock 0, 12, 15, 18, 21, 3, 6, 9, weekday-Honday, Tue, wed, Thu, Fri, Sat, Sun; Closed-Station, Troome, Hardeling Index, ander 18, - over 64, unemplayed, House - below powerty, location Devery phon, Time: 3-6am, 9-12pm, 12 to 3 pm, 2 ocation, street, apportment.

Using Bingay claus classification, we prediction is that Serve or not Serve, Display with Bar chart.

Next, we doing Multiclass classification.