

Tasks

Task 1 - Working with pandas dataframe

Create a dataframe with pandas and try out the following :

- Convert to 2D arrays
- add and drop necessary columns (to eliminate unrelated data)
- rename Columns
- slice dataframe (create dataset according to your need)

(The csv file containing the data is attached herewith)

Task 2 - Plotting line Graph

Plot a line graph of any two columns of the above dataframe you created using `matplotlib`.

Task 3 - Understanding basics of supervised Machine learning

Read about how various supervised learning models work.

- Linear Regression
- Polynomial Regression
- CART
- Logistic Regression

Task 4 - Use Regression on a basic dataset

Use Linear regression on the very famous boston house prediction dataset.

Task 5 - (Bonus Task)

Use Logistic regression on the `iris flower` dataset on which we have already worked earlier