1 Linear Regression with scikit-learn

scikit-learn has done more to make Python the language of choice for ML than any other library (except maybe numpy). It’s used in academia, and we use it in industry. It’s worth your time to get to know scikit-learn, and how to read its documentation.

In this assignment, you will create a Jupyter notebook from scratch, and use scikit-learn to create a Linear Regression model.

(a) Browse the scikit-learn documentation https://scikit-learn.org/stable/

(b) Use this data:

   data = 'GPA': [3.0, 3.7, 3.3, 2.5, 4.0, 3.9, 3.0], 'Hours Studied': [2, 8, 3, 1, 12, 7, 9, 5]

(c) Create a Linear Regression model with the scikit-learn library Create a new Jupyter notebook, import scikit-learn, and implement linear regression using the LinearRegression().fit function. Make sure to output the accuracy of your model.

(d) Push Jupyter Notebook to github If you don’t already have a personal GitHub account, please create one and learn how to use it (clone, add, commit, push). Add me as a contributor to your account so I can see your code. My GitHub account is ckennington.

2 Deliverables

Complete the tasks above, and send an email with a link to your repo to conradkennington@boisestate.edu by the due date.