Software Engineering Tools lab Assignment No 2

Name: Siddharth Mukkanawar

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Batch: T7

1. Ruby on Rails

Original author: David Heinemeier Hansson

Initial release: August 2004

Stable release: 7.0.2.2 February 11 2022

Repository (with cloud support): https://github.com/rails/rails

Written in (Languages): Ruby

Operating System support: Mac OS, Linux, Windows operating system

Platform ,portability: Ruby is an interpreted language , so it runs on any platform which has interpreter installed

List of languages supported : Combines ruby programing language with HTML,CSS,JavaScript

Type (Programming tool, integrated development environment etc.) : Web Application Framework

Website: https://rubyonrails.org/Features

Size (in MB, GB etc.): 57.8 MB

Type of software (Open source/License): Open Source

Latest version: 7.0.2.2

Cloud support (Yes/No): Yes

Applicability: Web Application development

Drawbacks (if any): 1) Slow runtime speed

2) Lack of flexibility

3) High cost of wrong decisions in development

2.Implement linear regression problem using Google colab (Perform preprocessing, training and testing)

Dataset used: Bike Sharing Dataset

 $Link: \underline{https://archive.ics.uci.edu/ml/datasets/Bike+Sharing+Dataset}$

Google Colab screenshots:

Google Collab

















