

Meta Analysis

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Description

This website is able to maintain a meta analysis study and provide the user with access to running preset R script on the dataset. This allows for user friendly R utilization.



Features

- User login: Users will be able to create accounts and log in to the application. Each user will have a profile page.
- Search: Users will be able to search for different studies via keyword, title or ID
- Users will be able to run preset R script on the set of data



Planning - User Stories

The user can open the website and navigate between the Home, Search, Table and R pages. The user can search different studies in the data set. The user can view the data in an easy to read table. The user is able to navigate to the output page and run R on the dataset. The user can create an account with a username and password



Planning - Database

User login information will be kept on a database. Each user will have a separate profile on the website that will save its input information.

Future: The dataset will be stored on a database and the user can add or subtract studies to the dataset that fall under the predetermined criteria.



Technology Stack

- C#: Language
- MVC ASP.NET Core: Framework engine
- Razor: Template engine
- MySQL: Database engine
- R



Demo



What I Learned

- Using MVC with a Service folder
- Deploying Project
- R uses a separate server running with the script loaded so the corresponding controller can talk to it
- Converting a CSV (comma-separated values) file into an easy to read table for the user.



What's Next

- Users will be able to add/subtract studies to the Meta Analysis that meet the predetermined criteria for the analysis.
- The R page will have more options for analysis by having more R Script running on the server.

