

PM TOOL:

Link: <https://github.com/orgs/CSE676-Summer-Final-Project/projects/9>

The screenshot displays a GitHub Project Board for the 'CSE 676_Final Project Board'. The board is organized into three columns: 'Todo', 'In Progress', and 'Done'. The 'Done' column contains 24 tasks, each with a title, a description, and a status icon (a circle with a checkmark). The tasks are listed in chronological order from top to bottom.

Todo (1 item): This item hasn't been started.

In Progress (1 item): This is actively being worked on.

Done (24 items): This has been completed.

- CSE_676_Final_raghuich_dongyeon #25
M1 Dataset finalized: Warehouse_and_Retail_Sales (307k rows, 9 cols)
- CSE_676_Final_raghuich_dongyeon #26
M2: Draft and finalize project methodology & architecture (CNN-RNN, noise, autoencoders)
- CSE_676_Final_raghuich_dongyeon #28
M3: Write and submit proposal to meet internal deadline
- CSE_676_Final_raghuich_dongyeon #27
M4: Perform early EDA: missing values, trends, seasonality, item/supplier counts
- CSE_676_Final_raghuich_dongyeon #29
M5: Apply advanced preprocessing: lag features, normalization, rolling means, label generation
- CSE_676_Final_raghuich_dongyeon #30
M6: Inject synthetic noise (Gaussian, trend distortion) for robustness testing
- CSE_676_Final_raghuich_dongyeon #31
M7: Train simple baselines (Linear Regression, Feedforward NN) for performance comparison
- CSE_676_Final_raghuich_dongyeon #32
M8: Build CNN-RNN hybrid (Conv1D + GRU/LSTM, TRANSFORMERS- initial version (multi step forecasting))
- CSE_676_Final_raghuich_dongyeon #47
M8a Upgrade to multi-step forecasting (e.g., next 6 months per item)
- CSE_676_Final_raghuich_dongyeon #33
M9: Evaluate models: RMSE, MAE, noise vs. noise-free comparison
- CSE_676_Final_raghuich_dongyeon #34
M10: Build Checkpoint Notebook: model code, plots, evaluation tables
- CSE_676_Final_raghuich_dongyeon #35
M11: Submit Checkpoint by June 23
- CSE_676_Final_raghuich_dongyeon #37
M13: Retrain CNN-RNN and re-evaluate with Hyperparameters
- CSE_676_Final_raghuich_dongyeon #38
M14: Add attention layer or regularization to CNN-RNN
- CSE_676_Final_raghuich_dongyeon #40
M16: Finalize best model and test generalization on holdout period
- CSE_676_Final_raghuich_dongyeon #41
M17: Create polished visualizations (forecast curves, error plots, etc.)
- CSE_676_Final_raghuich_dongyeon #39
M15: Conduct ablation study (w/ and w/o noise)
- CSE_676_Final_raghuich_dongyeon #48
M18a Compare step-wise error over forecast horizon for multi-step model
- CSE_676_Final_raghuich_dongyeon #49
M14a Export forecast results (JSON/CSV) for downstream use
- CSE_676_Final_raghuich_dongyeon #50
M14b Integrate LLAMA or other LLM to generate human-like summaries of forecasts
- CSE_676_Final_raghuich_dongyeon #42
M18: Write final report (PDF) with results, plots, citations
- CSE_676_Final_raghuich_dongyeon #43
M19: Finalize GitHub repo: notebooks, README, requirements, visuals
- CSE_676_Final_raghuich_dongyeon #44
M20: Prepare slides for presentation
- CSE_676_Final_raghuich_dongyeon #46
M22: Deliver presentation on July 6 or 7 with slides + walkthrough

CONTRIBUTORS:

Contributors

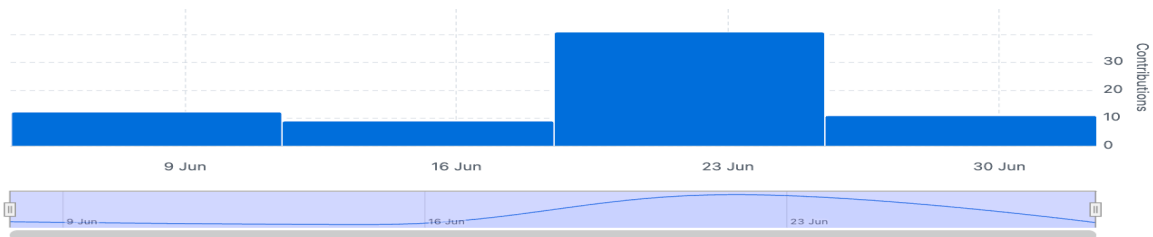
Contributions per week to main, excluding merge commits

Period: All

Contributions: Commits

Commits over time

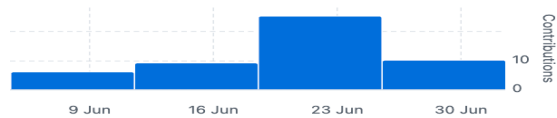
Weekly from Jun 7, 2025 to Jun 28, 2025



raghulch

50 commits 689,362 ++ 46,386 --

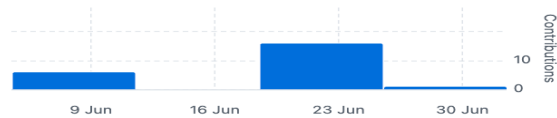
#1



dongyoon8282

23 commits 4,590 ++ 11 --

#2

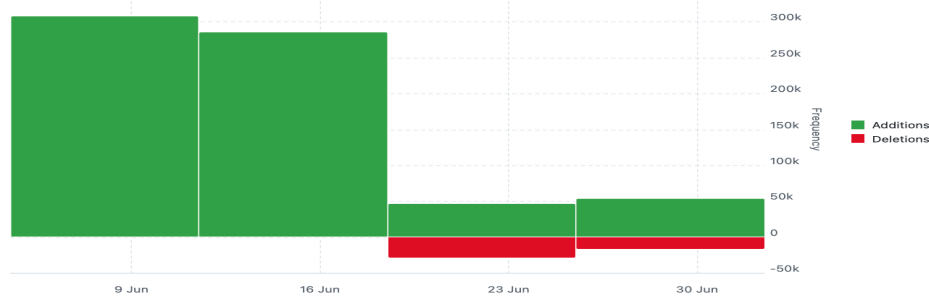


CODE FREQUENCY:

Code frequency over the history of **CSE676-Summer-Final-Project/CSE_676_Final_raghulch_dongyoon**

Code frequency

Additions and deletions per week



ACTIVITY:

These activities reflect the completion of project milestones. Gaps on certain days indicate periods where we were actively working on more time-consuming milestones before marking them as complete.

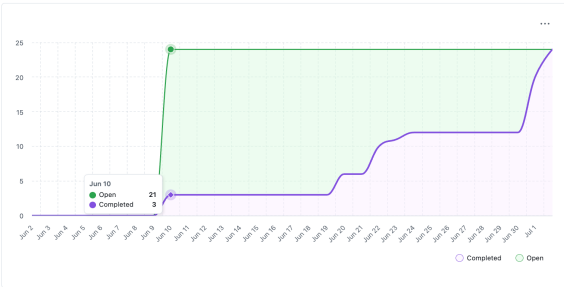
Burn up

Configure

The Burn up chart shows the progress of your project items over time, showing how much work has been completed and how much is left to do. Use this chart to view progress, spot trends, and identify bottlenecks to help move the project forward.

Q is:issue 24 Discard

2W 1M 3M Max Custom range



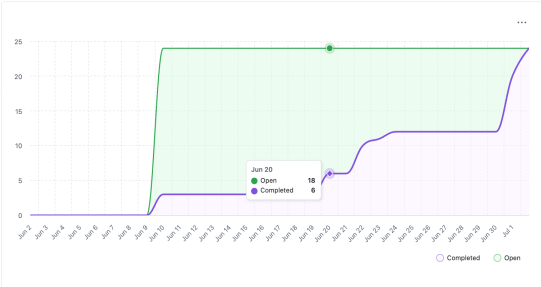
Burn up

Configure

The Burn up chart shows the progress of your project items over time, showing how much work has been completed and how much is left to do. Use this chart to view progress, spot trends, and identify bottlenecks to help move the project forward.

Q is:issue 24 Discard

2W 1M 3M Max Custom range



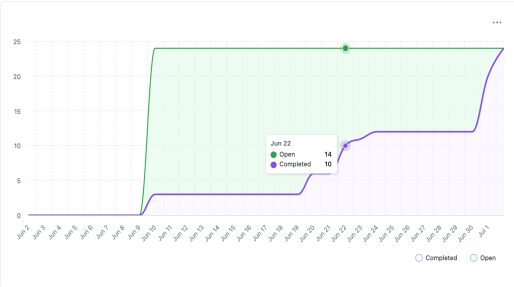
Burn up

Configure

The Burn up chart shows the progress of your project items over time, showing how much work has been completed and how much is left to do. Use this chart to view progress, spot trends, and identify bottlenecks to help move the project forward.

Q is:issue 24 Discard

2W 1M 3M Max Custom range



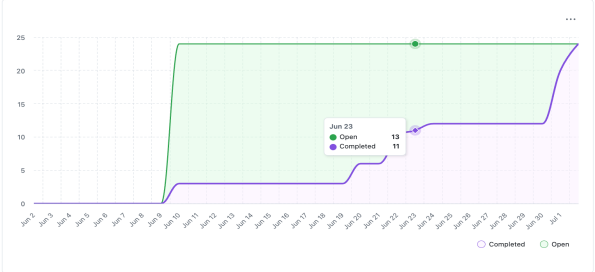
Burn up

Configure

The Burn up chart shows the progress of your project items over time, showing how much work has been completed and how much is left to do. Use this chart to view progress, spot trends, and identify bottlenecks to help move the project forward.

Q is:issue 24 Discard

2W 1M 3M Max Custom range



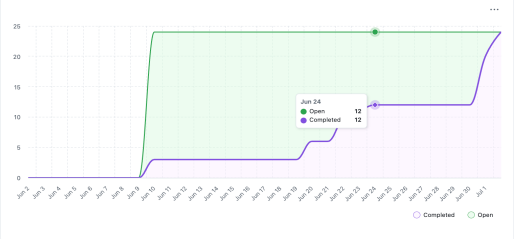
Burn up

Configure

The Burn up chart shows the progress of your project items over time, showing how much work has been completed and how much is left to do. Use this chart to view progress, spot trends, and identify bottlenecks to help move the project forward.

Q is:issue 24 Discard

2W 1M 3M Max Custom range



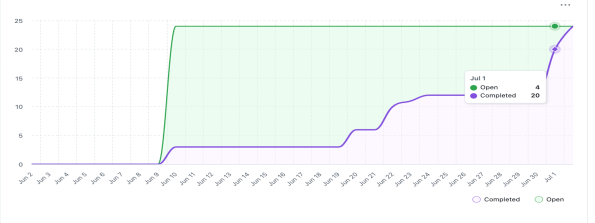
Burn up

Configure

The Burn up chart shows the progress of your project items over time, showing how much work has been completed and how much is left to do. Use this chart to view progress, spot trends, and identify bottlenecks to help move the project forward.

Q is:issue 24 Discard

2W 1M 3M Max Custom range



Burn up

Configure

The Burn up chart shows the progress of your project items over time, showing how much work has been completed and how much is left to do. Use this chart to view progress, spot trends, and identify bottlenecks to help move the project forward.

Q is:issue 24 Discard

2W 1M 3M Max Custom range

