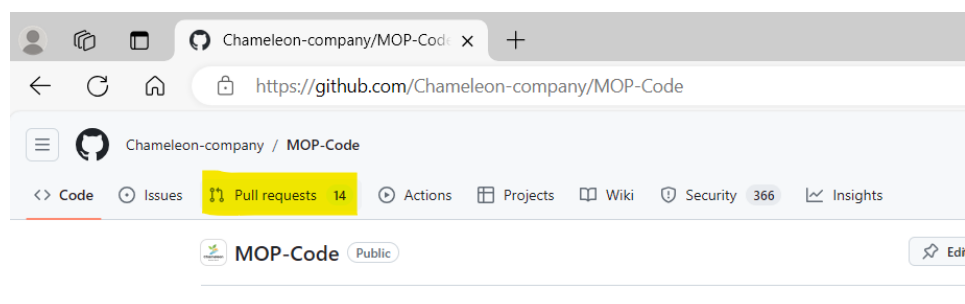


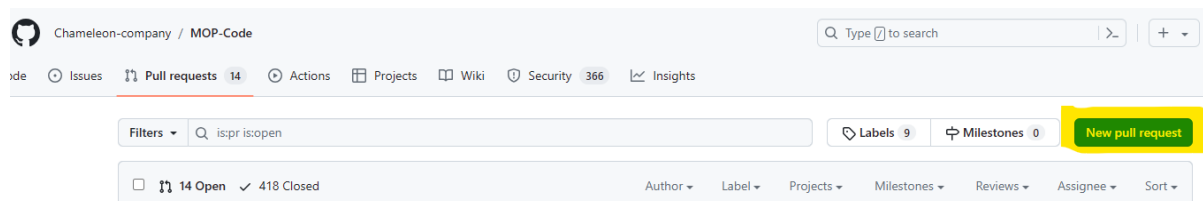
The following documentation is a pictorial guide of how to make and how to review a pull request.

Making a Pull Request

Select the pull request tab



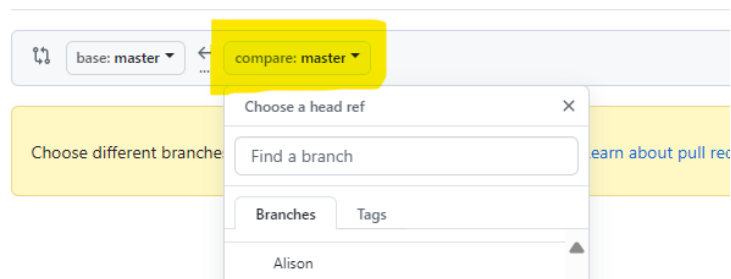
Select open new pull request



Select your branch from the drop down list in “compare”

Compare changes

Compare changes across branches, commits, tags, and more below. If you need to, you can also



Select “create pull request”

Comparing changes

Choose two branches to see what's changed or to start a new pull request. If you need to, you can also [compare across forks](#) or [learn more about diff comparisons](#).

base: master

compare: Alison

✓ Able to merge. These branches can be automatically merged.

Discuss and review the changes in this comparison with others. [Learn about pull requests](#)

Create pull request

3 commits

3,425 files changed

1 contributor

Add title and description for your pull request

Title must include which team you are (DATA SCIENCE or WEBDEV)

Name of what you are working on (This should match what is on your Trello card)

Percentage of completion of your use case from Trello

Description must include reason for pull, e.g. use case completed, Sprint 1 pull request.

Description must include a list of the changes that have been made to your folder since last making a pull request.

Open a pull request

Create a new pull request by comparing changes across two branches. If you need to, you can also [compare across forks](#). [Learn more about diff comparisons](#)

base: master

compare: Alison

✓ Able to merge. These branches can be automatically merged.

Add a title

DATA SCIENCE TEAM Argyle Square Bin Fill Level New Use Case - 80% complete

Add a description

Write

Preview

Week 5 pull request for review from Sprint 1

Use case includes:

- Use case introduction
- Import data using API v2.1 GET request with /exports extension
- Filtering of dataframes
- Use of date time to resample data by different time increments
- Box plots from a dataframe to view datasets
- Scatterplots from a dataframe to identify variable relationships
- Pairplots from a dataframe to identify variable relationships
- Use Pearson correlation heatmap to identify linear variable relationships
- Use distance calculation to identify non-linear variable relationships
- Linear regression for predictive analysis
- Random Forest for predictive analysis
- Calculate feature importance, r-squared value and accuracy from predictive analysis

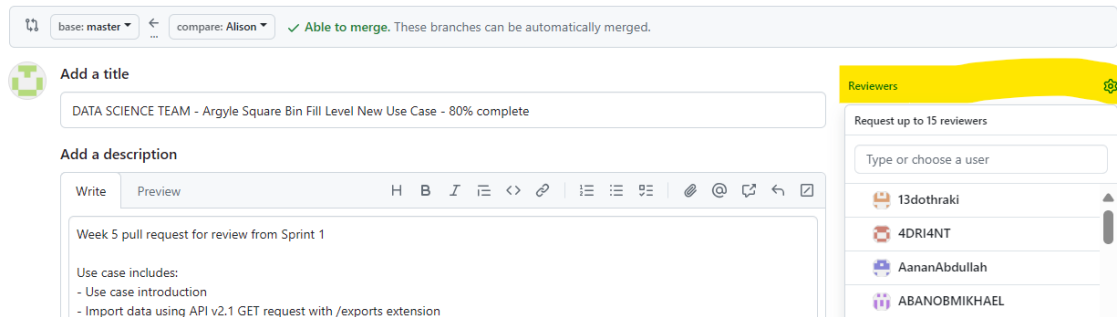
Select reviewers and choose 2 reviewers

One reviewer can be any member of your team, the other MUST be a leadership student.

You should message students first to check if they are happy to review for you. You can find a list of GitHub user names to add reviewers on the Melbourne Open Playground team list in Teams.

Open a pull request

Create a new pull request by comparing changes across two branches. If you need to, you can also [compare across forks](#). [Learn more about diff comparisons here](#).



base: master ← compare: Alison ✓ Able to merge. These branches can be automatically merged.

Add a title

DATA SCIENCE TEAM - Argyle Square Bin Fill Level New Use Case - 80% complete

Add a description

Write Preview

Week 5 pull request for review from Sprint 1

Use case includes:

- Use case introduction
- Import data using API v2.1 GET request with /exports extension

Reviewers

Request up to 15 reviewers

Type or choose a user

- 13dothraki
- 4DRI4NT
- AananAbdullah
- ABANOBMIKHAEL

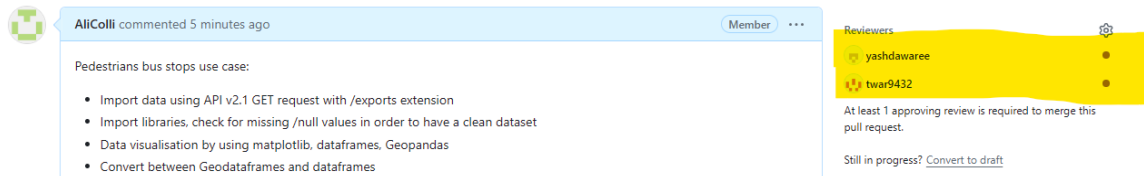
Check you have added two reviewers

DATA SCIENCE Pedestrians Bus Stops Use Case 100% completed #489

Edit <> Code

Open AliColli wants to merge 23 commits into Chameleon-company:master from AliColli:master

Conversation 1 Commits 23 Checks 0 Files changed 5 +154,482 -1,053



AliColli commented 5 minutes ago Member

Pedestrians bus stops use case:

- Import data using API v2.1 GET request with /exports extension
- Import libraries, check for missing /null values in order to have a clean dataset
- Data visualisation by using matplotlib, dataframes, Geopandas
- Convert between Geodataframes and dataframes

Reviewers

- yashdawaree
- twar9432

At least 1 approving review is required to merge this pull request.

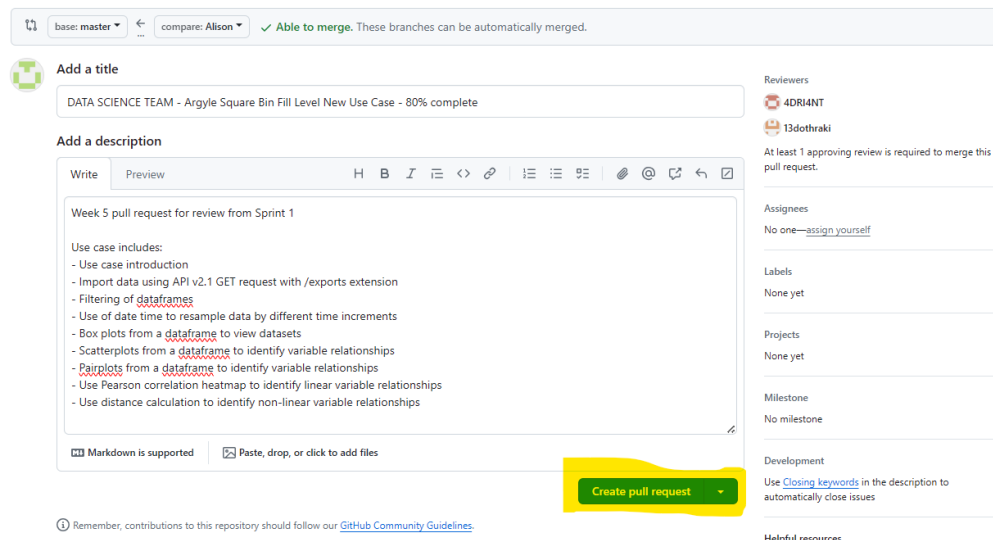
Still in progress? [Convert to draft](#)

Create your pull request

Create your pull request by pressing the green “create pull request” button

Open a pull request

Create a new pull request by comparing changes across two branches. If you need to, you can also [compare across forks](#). [Learn more about diff comparisons here](#).



base: master ← compare: Alison ✓ Able to merge. These branches can be automatically merged.

Add a title

DATA SCIENCE TEAM - Argyle Square Bin Fill Level New Use Case - 80% complete

Add a description

Write Preview

Week 5 pull request for review from Sprint 1

Use case includes:

- Use case introduction
- Import data using API v2.1 GET request with /exports extension
- Filtering of dataframes
- Use of date time to resample data by different time increments
- Box plots from a dataframe to view datasets
- Scatterplots from a dataframe to identify variable relationships
- Pairplots from a dataframe to identify variable relationships
- Use Pearson correlation heatmap to identify linear variable relationships
- Use distance calculation to identify non-linear variable relationships

Reviewers

- 4DRI4NT
- 13dothraki

At least 1 approving review is required to merge this pull request.

Assignees

No one—assign yourself

Labels

None yet

Projects

None yet

Milestone

No milestone

Development

Use [Closing keywords](#) in the description to automatically close issues

Helpful resources

Remember, contributions to this repository should follow our [GitHub Community Guidelines](#).

Create pull request

After Making a Pull Request

Check your emails

You will be emailed when your pull request receives comments or approvals.

[Chameleon-company/MOP-Code] Use case updated (PR #476)



This sender [notifications@github.com](#) is from outside your organisation. Attachments and pictures have been blocked.

[Block sender](#) | [Show blocked content](#)

Check GitHub Conversation for Feedback

After reviewing, your team members will leave you feedback in GitHub.

Open your pull request, and scroll down to the comments section to see this. If you need to make changes you will need to do so in your IDE and then push to GitHub again.

DATA SCIENCE Pedestrians Bus Stops Use Case 100% completed #489

Edit <> Code

Open AliColli wants to merge 23 commits into Chameleon-company:master from AliColli:master

Conversation 4 Commits 23 Checks 0 Files changed 5

+154,482 -1,053



AliColli commented 2 days ago


Member

Pedestrians bus stops use case:

- Import data using API v2.1 GET request with /exports extension
- Import libraries, check for missing /null values in order to have a clean dataset

Reviewers

 twar9432

 yashdawaree

Requested changes must be addressed to merge this pull request.



twar9432 requested changes 2 days ago

[View reviewed changes](#)

twar9432 left a comment

Member

Overall, the use case looks good. There's clear comments of the code and good analysis.

Note: There's a plot shown as a 'map' with the axes as longitude and latitude, however without any background it's difficult to

After making changes

Once you have updated your code and pushed again you will see a new comment automatically generated

AliColli and others added 2 commits 1 minute ago

Pedestrian Counts and Bus Stops API update - folium map of overlap lo...

115bcc6

Merge branch 'Chameleon-company:master' into master

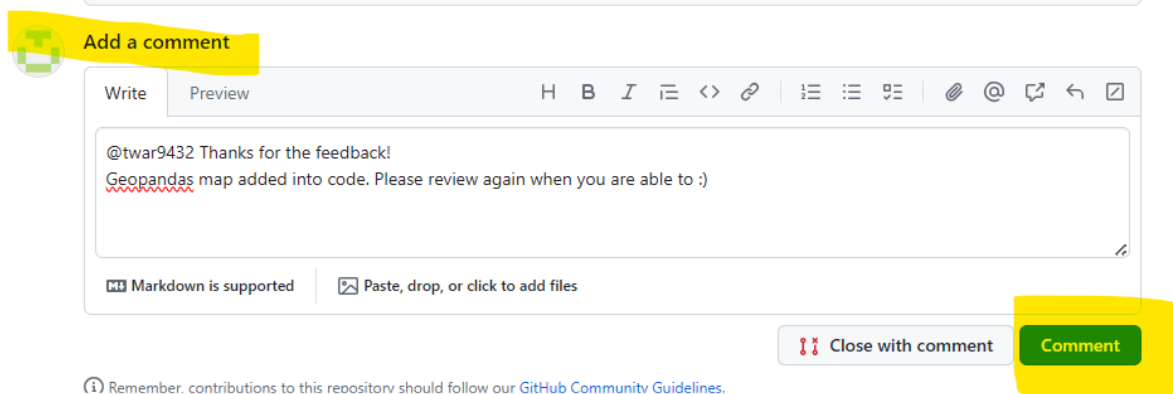
Verified

324790d

You will need to also add a comment to email your reviewers so that they know you have updates your work and that it is ready to be re-reviewed.

Be sure to write @ next to their GitHub name so they receive an email notification.

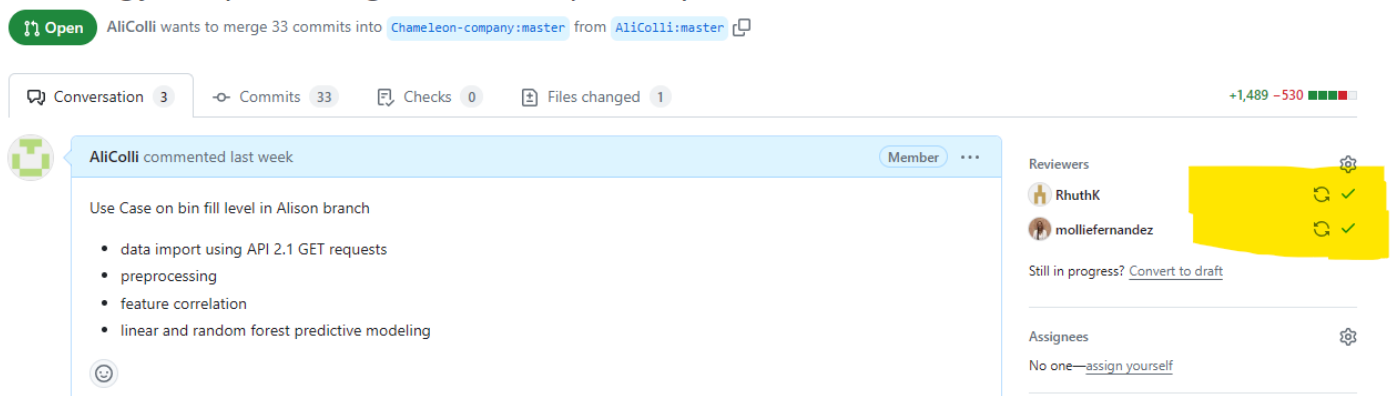
Be sure to press the green “comment” option to keep your pull request open.



Check review status

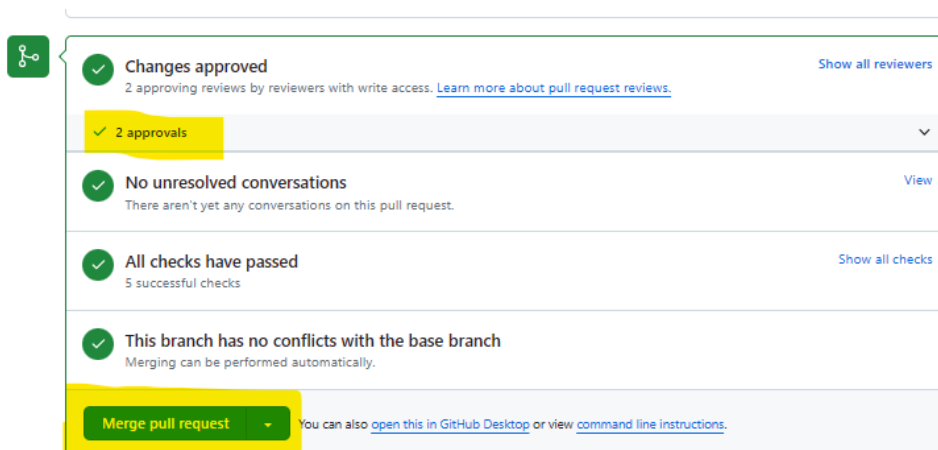
Check both reviewers have approved your pull request. Look for green ticks against reviewers names

Bins Argyle Square Progress - Wk 5 pull request #401



Merge pull request

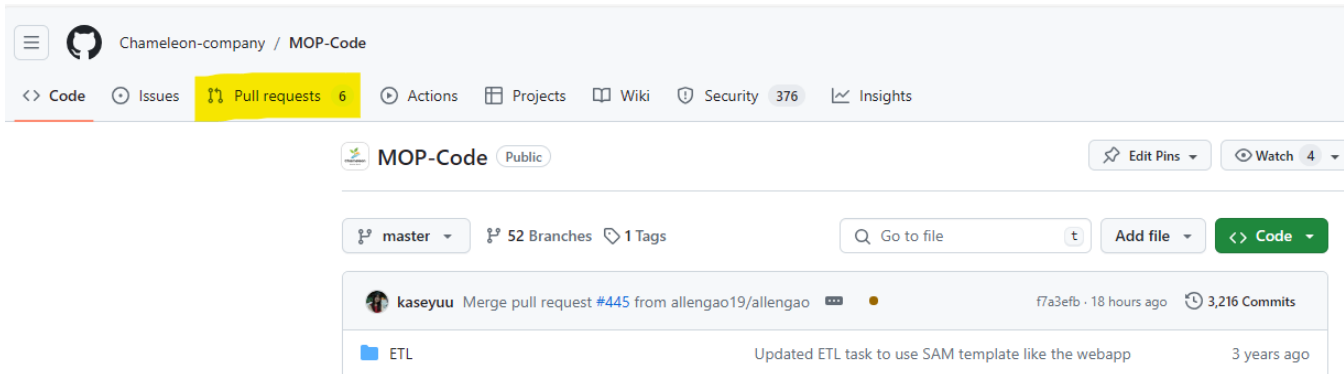
Once you have two approvals, Merge your pull request!



Reviewing a Pull request

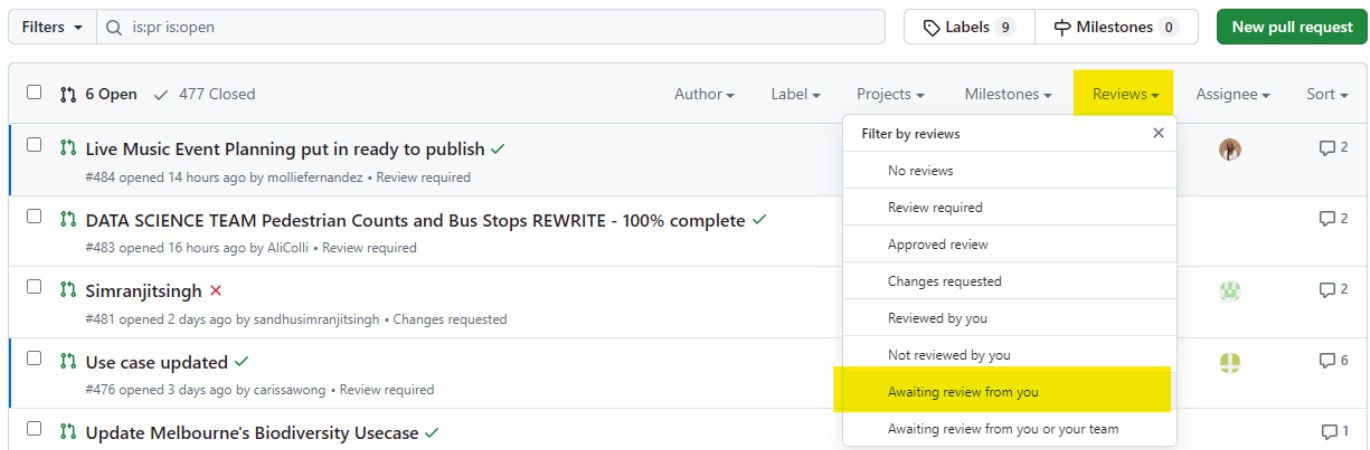
View open pull requests

On GitHub, select “Pull requests”



Select a Use Case to review

Select the “Reviews” tab and the “Awaiting review from you”



OR

Check your emails for review requests

Follow the link to the use case from your email

[Chameleon-company/MOP-Code] Use case updated (PR #476)



This sender notifications@github.com is from outside your organisation. Attachments and pictures have been blocked.

Block sender | Show blocked content

View the Use Case

When the use case is open, first thing, and the most important thing is to check is whether there is an infinity number of files being changed. If the request is for an infinity number of files to be merged, please do not approve this pull request, and let the requestor know to review this and redo the pull again.

DATA SCIENCE TEAM 50% #

Merged merged 14 commits into master from 2 weeks ago

Conversation 4 Commits 14 Checks 4 **Files changed ∞**

A correct pull should look like below, showing a reasonable number of files changed.

DATA SCIENCE TEAM Pedestrian Counts and Bus Stops REWRITE - 100% complete #483

Open AliColli wants to merge 18 commits into Chameleon-company:master from AliColli:master

Conversation 2 Commits 18 Checks 0 **Files changed 3**

When the use case is open, select the files changed tab. If the use case is large, you will get a load diff alert. In this case, select the three dots on the right hand side and go to view file.

DATA SCIENCE TEAM Pedestrian Counts and Bus Stops REWRITE - 100% complete #483

Open AliColli wants to merge 18 commits into Chameleon-company:master from AliColli:master

Conversation 2 Commits 18 Checks 0 **Files changed 3**

0 / 3 files viewed Review in codespace Review changes

Filter changed files

Playground/Alison

- Bin Fill Levels
 - Bins_Fill_Level_Analysis_Argyle.ipynb
- NEW API Pedestrian Counts and B...
 - Pedestrian Counts and Bus-st...
 - Pedestrians Counts and Bus...

```

12 12  "metadata": {},
13 13  "source": [
14 14    "<div class='\"usecase-authors'><b>Authored by: </b>Alison Collins</div>\n",
15 15    "<div class='\"usecase-duration'><b>Duration: </b>10 mins</div>\n",
16 16    "<div class='\"usecase-level'><b>Level: </b>Intermediate</div>\n",
17 17    "<div class='\"usecase-skill'><b>Pre-requisite Skills: </b>Python</div>"
18 18  ]

```

View file Edit file Delete file Open in desktop

Pull Request Review Checklist

This checklist is designed to ensure consistency, quality, and adherence to standards when reviewing GitHub pull requests. Each item below should be reviewed carefully before approving a pull request. Use the heading of each checklist item and write down your comments if the use case has met requirements from the checklist.

Dataset Import

- The dataset is being accessed via API v2.1 to pull data from the Melbourne Open Data portal.
- API key must NOT be visible
- If an external dataset is used, a csv version of the file must also be uploaded to the repository

[Instruction on API Key](#)

Code Quality & Readability

- Code must be well-structured and easy to understand
- Comments must have a space and capital letter for first word
- Variable names are meaningful and self-explanatory.
- Appropriate inline comments and documentation are included where necessary.
- Required libraries are imported at the beginning of the notebook.

```
# BIN DATASET PREPROCESSING
# Filter unwanted values from bin dataset

# Keep only rows with bin sensors in the stage area
filtered_bin_sensor = bin_sensor_cols[bin_sensor_cols["dev_":
filtered_bin_sensor.head(3)

# Check max and min values in bin fill levels
# Max and min of filllevel column
print(filtered_bin_sensor['filllevel'].agg(['min', 'max']))
```

Use Case Naming Conventions

- Use case name must follow the correct standard. Use this below tool and follow the instructions to rename the code file and your use case on MS Planner:

[Use Case Naming Tool](#)

Pull Request Location

- Use case has been submitted under the correct folder (MOP-Code – Playground)

Language

- The content is free from major spelling or grammar issues.
- Australian English spelling is used throughout (e.g., “standardisation” instead of “standardization”).

Visualisation

- All visualisations must have proper legends, labels and interpretations

Tutorial Quality

- The use case is written as a clear, step-by-step guide.

- Insights, libraries, and tools used are clearly described.
- The content is educational and accessible to new users exploring open data.

Use Case Template

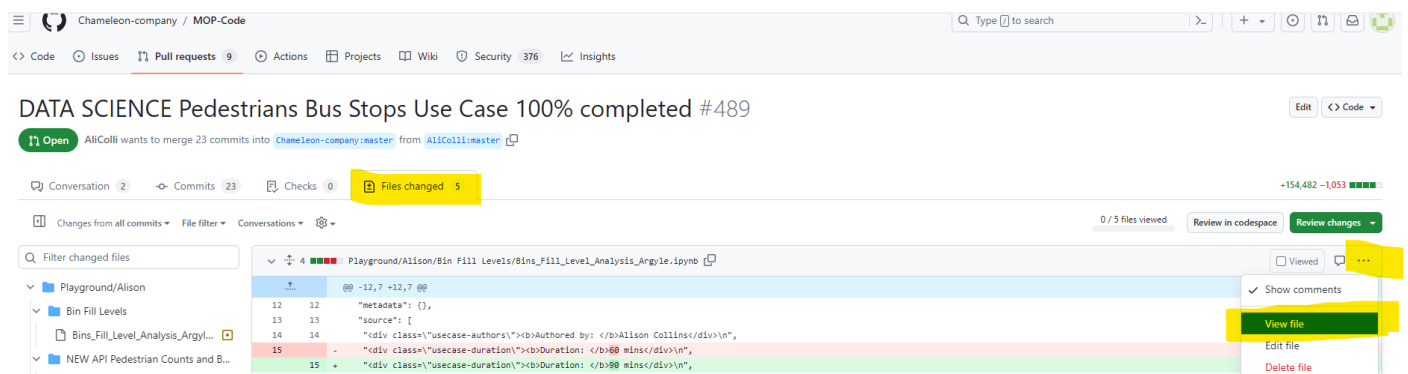
- The correct Use Case Template has been used:

[Use Case Template](#)

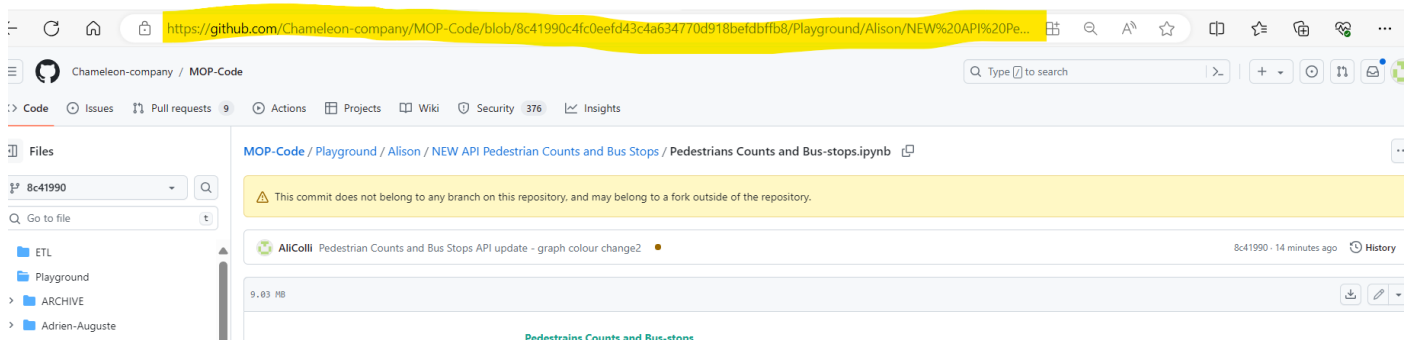
Troubleshooting viewing:

If the Use Case or parts of it (graphs, tables, folium maps) will not render on GitHub, copy the link from the GitHub and open in <https://nbviewer.org/>

Select the files changed tab, three dots on the right and then view file



Copy the address bar



Paste into <https://nbviewer.org/> and press go

nbviewer

A simple way to share Jupyter Notebooks

Enter the location of a Jupyter Notebook to have it rendered here:

<https://github.com/Chameleon-company/MOP-Code/blob/8c41990c4fc0eefd43c4a634770d918befdbffb8/Playground/Alison/N> Go!

Review statuses:

Post your review of the pull request in one of these 3 statuses:

- Comment: Submit general feedback without explicitly approving the changes or requesting additional changes.
- Approve: Submit feedback and approve merging the changes proposed in the pull request.
- Request changes: Submit feedback that must be addressed before the pull request can be merged.

Further reading

Capstone Pull Requests: [5. Navigating Pull Requests on GitHub | Capstone \(verdant-raindrop-f3e404.netlify.app\)](#)

Capstone Reviewing Pull Requests: [6. Reviewing Pull Requests | Capstone \(verdant-raindrop-f3e404.netlify.app\)](#).

Author

Alison Collins, 2024

Katrine Chan, 2024 v2

Jenny Nguyen, 2025 v3