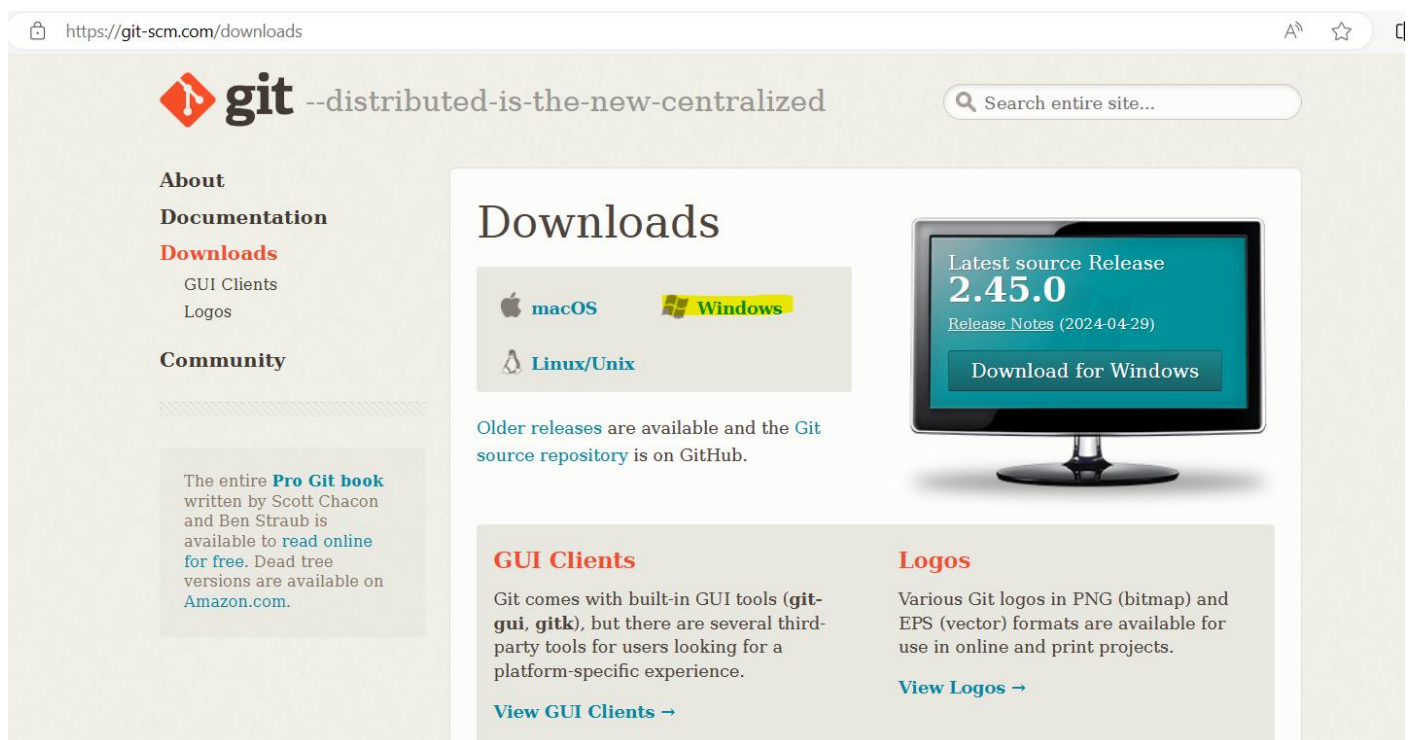


How to setup google colab to GitHub through gitbash

This documentation was made to demonstrate how to set up google colab to work with Github using Git Bash. This documentation shows the steps using Windows 10.

Steps to follow to setup Google Colab to work with Github using Git Bash

Step 1: Install Git Bash: If you haven't already, download and install Git Bash on your computer. You can download it from the official website: [Git - Downloads \(git-scm.com\)](https://git-scm.com/downloads)



Step 2: You should have created a branch in Github with MOP-CODE downloaded on your local machine with your name folder within Playground folder. If you haven't, please follow the github tutorial pdf posted in files of T3 MOP data science chat group.

MOP-Code / [datascience](#) / documentation / 

Add file ▾

...



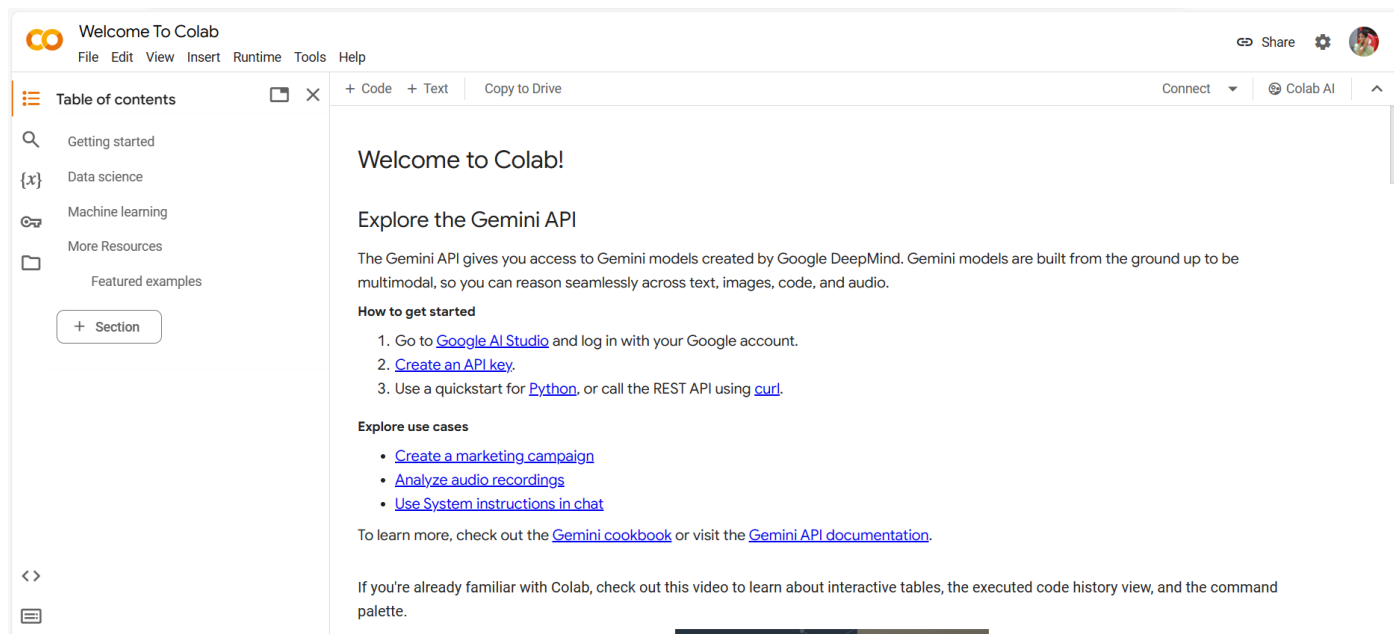
AliColli New screenshots of API v2.1 code using a fuction to more easily call...

73f12bf · 2 months ago

 History

Name	Last commit message	Last commit date
..		
Archive	New screenshots of API v2.1 code using a fuction to more easily call...	2 months ago
2024 - Onboarding Checklist MOP Data Science.docx	Updating file paths in onboarding documents	2 months ago
2024 - Onboarding Checklist MOP Data Science.pdf	Updating file paths in onboarding documents	2 months ago
Documentation template.dotx	Folder organisation	2 years ago
Git Commands Cheat Sheet.docx	copy of work to datascience documentation and ready to publish use cases	5 months ago
Git Commands Cheat Sheet.pdf	copy of work to datascience documentation and ready to publish use cases	5 months ago
GitHub Tutorial.docx	Create GitHub Tutorial.docx	5 months ago
GitHub Tutorial.pdf	Create GitHub Tutorial.pdf	5 months ago

Step 3: Open your web browser and go to [Google Colab](#).



The screenshot shows the Google Colab web interface. At the top, there's a "Welcome To Colab" header with a menu bar (File, Edit, View, Insert, Runtime, Tools, Help). Below the header, there's a sidebar on the left with a "Table of contents" section containing links to "Getting started", "Data science", "Machine learning", and "More Resources". The main area displays a "Welcome to Colab!" message, followed by "Explore the Gemini API" section. This section explains that the Gemini API provides access to models created by Google DeepMind and lists steps to get started: 1. Go to [Google AI Studio](#) and log in with your Google account. 2. [Create an API key](#). 3. Use a quickstart for [Python](#) or call the REST API using [curl](#). Below this, there's a "Explore use cases" section with links to [Create a marketing campaign](#), [Analyze audio recordings](#), and [Use System instructions in chat](#). At the bottom, it says "To learn more, check out the [Gemini cookbook](#) or visit the [Gemini API documentation](#)." and "If you're already familiar with Colab, check out this video to learn about interactive tables, the executed code history view, and the command palette."

Step 4: In Google Colab, click on "File" in the top-left corner and Select "Open notebook" and click on GitHub and Follow the instructions to authorize access to your GitHub account.

Open notebook

Examples >

Recent >

Google Drive >

GitHub >

Upload >

Search notebooks



Title

Last opened ↓

First opened ↑↓



Welcome To Colab

12:09 PM

12:09 PM



+ New notebook

Cancel



Authorize Colaboratory



Colaboratory by Google Colaboratory
wants to access your Manaskc account



Gists
Read and write access



Repositories
Public and private



Cancel

Authorize googlecolab

Authorizing will redirect to
<https://colab.research.google.com>

Not owned or
operated by GitHub

Created 7 years ago

More than 1K
GitHub users

Step 5: Enter the GitHub URL of Chameleon company by ticking the box on “include private repos”

Open notebook

Examples

Recent

Google Drive

GitHub


Upload


Enter a GitHub URL or search by organization or user

https://github.com/Chameleon-company/MOP-Code

Search

☒ Include private repos


Repository: 



Branch: 


Chameleon-company/MOP-Code



master

Path

 [ETL/experiments/ConvertingFiles.ipynb](#)

 [ETL/experiments/ETLBoilerCode.ipynb](#)

+ New notebook

Cancel

Step 6: Select Repository “Chameleon- company/MOP-Code” and Select your Branch Name “Manasa”

Open notebook

Examples

Recent

Google Drive

GitHub


Upload


Enter a GitHub URL or search by organization or user

https://github.com/Chameleon-company/MOP-Code

Search

☒ Include private repos

Repository: 

Branch: 

Chameleon-company/MOP-Code

master

Chameleon-company/Chameleon-Documents

Chameleon-company/Chameleon-Handover-Documents

Chameleon-company/Chameleon-Website

Chameleon-company/Chameleon-Website-1

Chameleon-company/Chameleon-Website-2

Chameleon-company/Chameleon-security

Chameleon-company/DDOS-Documents

Chameleon-company/EVCFL0

Chameleon-company/EVCFL0-EVpages

Chameleon-company/Evoelon

Chameleon-company/LeadershipTeam

Chameleon-company/MOP



Chameleon-company/MOP-Acceptance-Tests



Chameleon-company/MOP-Code

Chameleon-company/MOP-Code-1

Chameleon-company/chameleon-website-webdev-client

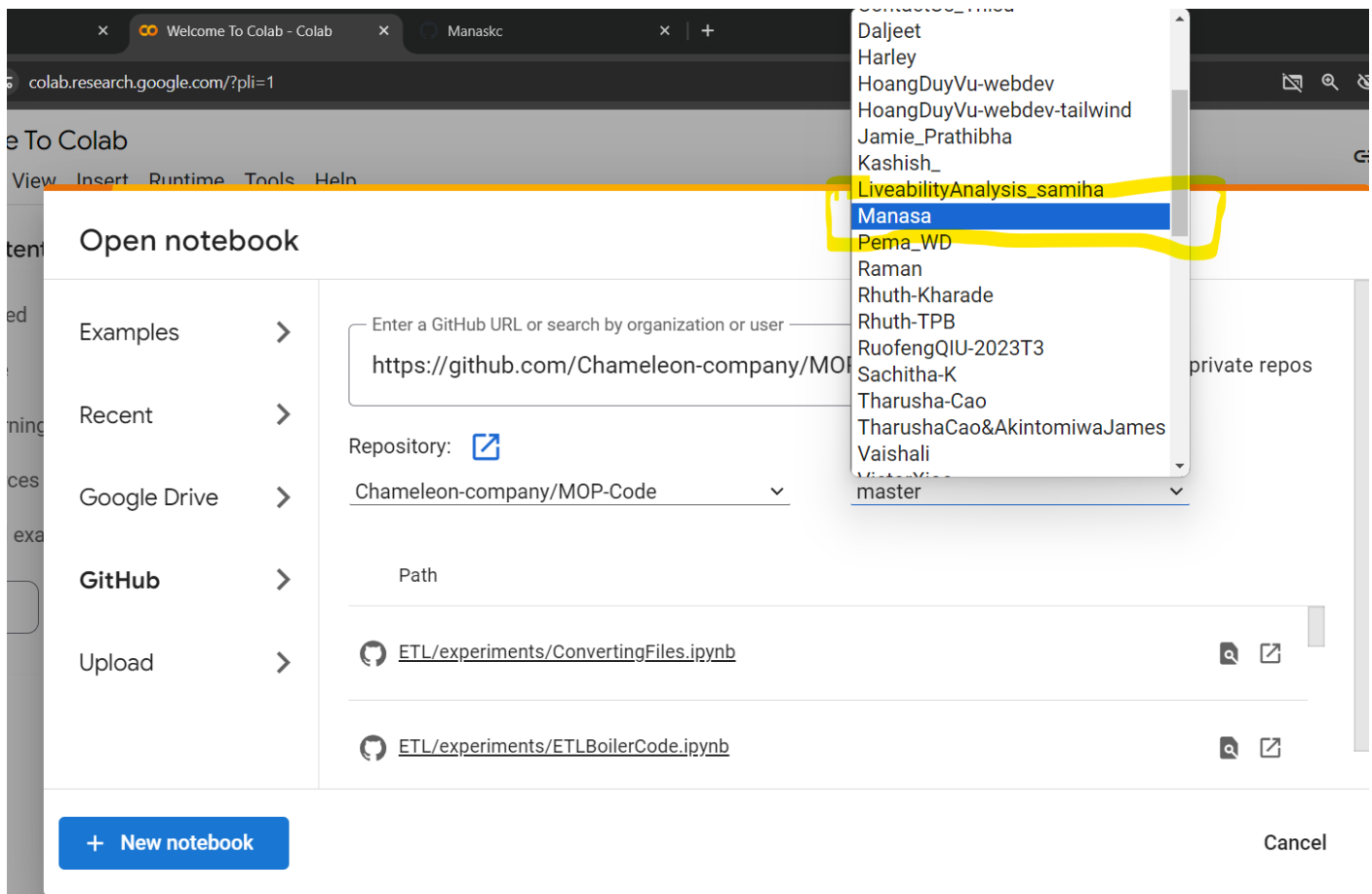
Chameleon-company/chameleon-website-webdev-server

+ New notebook

Cancel



The screenshot shows the Google Colab 'Open notebook' dialog. On the left, there are tabs for 'Examples', 'Recent', 'Google Drive', 'GitHub', and 'Upload'. The 'GitHub' tab is selected. In the center, there is a search bar with the text 'Enter a GitHub URL or search by organization or user' and a dropdown menu showing a list of users. The user 'Manasa' is highlighted in blue. Below the search bar, there is a 'Repository:' field with a dropdown menu showing 'Chameleon-company/MOP-Code'. Below that, there is a 'Path' field. At the bottom, there is a '+ New notebook' button and a 'Cancel' button.

Open notebook

Examples >

Recent >


Google Drive >

GitHub >

Upload >

Enter a GitHub URL or search by organization or user

<https://github.com/Chameleon-company/MOP-Code>

Repository: 

Chameleon-company/MOP-Code

Path

ETL/experiments/ConvertingFiles.ipynb

ETL/experiments/ETLBoilerCode.ipynb

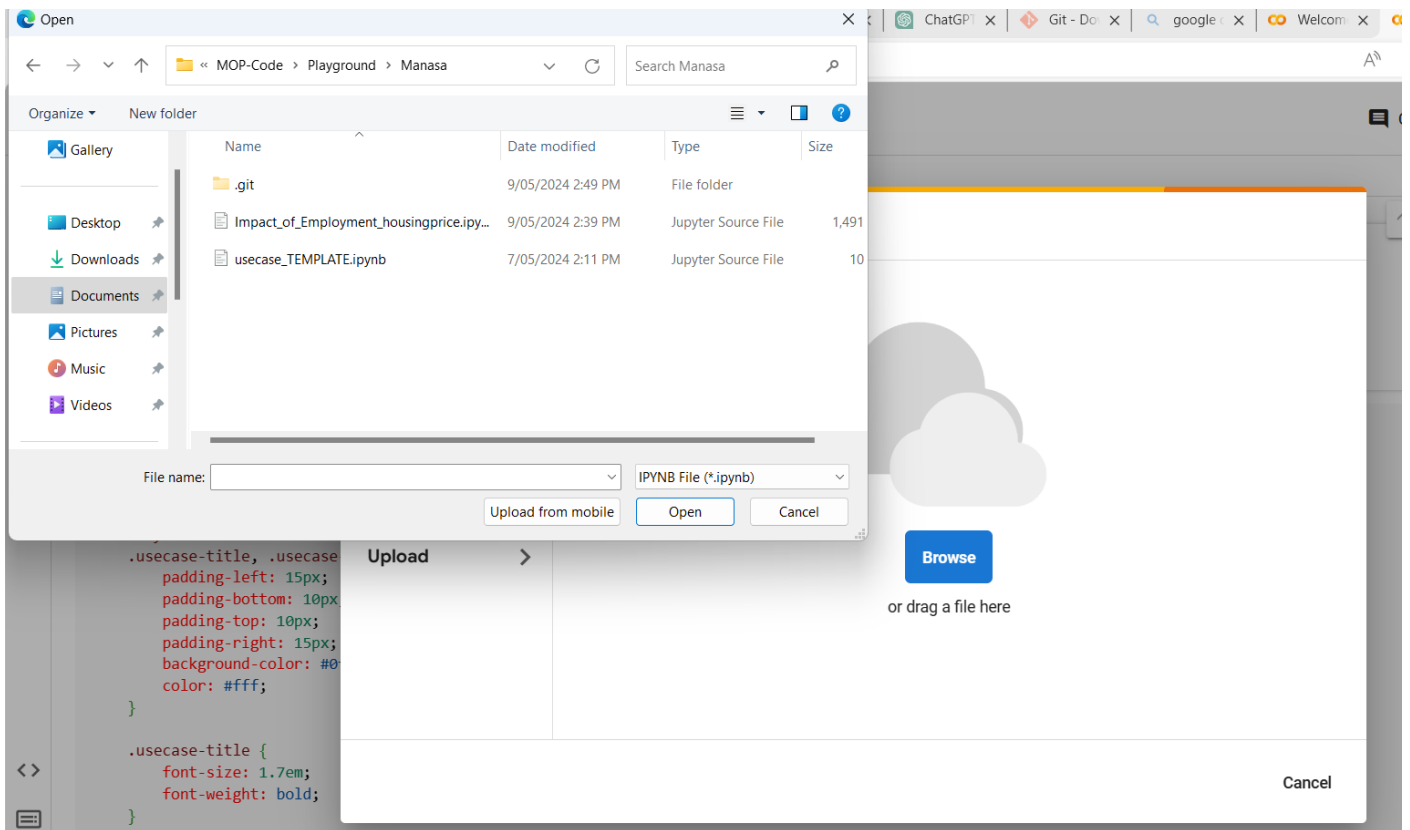
+ New notebook

Cancel

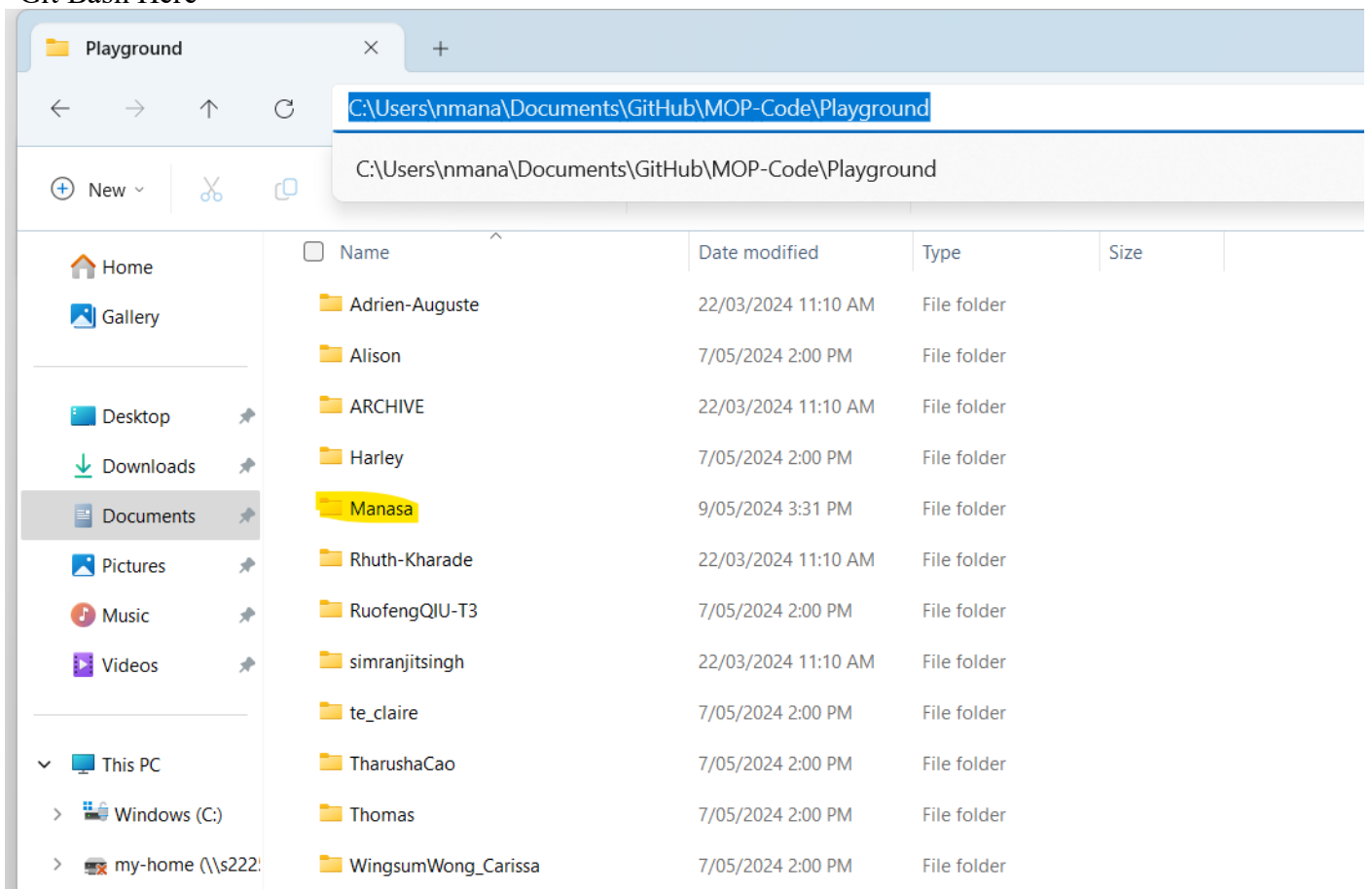
Dropdown menu items:

- Daljeet
- Harley
- HoangDuyVu-webdev
- HoangDuyVu-webdev-tailwind
- Jamie_Prathibha
- Kashish_
- LiveabilityAnalysis_samiha
- Manasa
- Pema_WD
- Raman
- Rhuth-Kharade
- Rhuth-TPB
- RuofengQIU-2023T3
- Sachitha-K
- Tharusha-Cao
- TharushaCao&AkintomiwaJames
- Vaishali
- master

Step 7: In Google Colab, navigate to the directory by clicking on upload and browse and navigate to your local repository



Step 8: Locate your playground folder in your local machine and Click on your own name folder within the playground and click on it and Click on the path and copy it and Right Click on this blank area and click on "Git Bash Here"



Documents > GitHub > MOP-Code > Playground > Manasa

Sort View ...

Name	Date modified	Type	Size
Impact_of_Employment_housingprice.ipynb	9/05/2024 2:39 PM	Jupyter Source File	1,491 KB
usecase_TEMPLATE.ipynb	7/05/2024 2:11 PM	Jupyter Source File	10 KB

AMD Radeon Software

View >
Sort by >
Group by >
Refresh

Customize this folder...

Open in Terminal
Open with Visual Studio
Open Git GUI here
Open Git Bash here

Paste
Undo Delete Ctrl+Z

Give access to >

New >

Properties

MINGW32:/c/Users/nmana/Documents/GitHub/MOP-Code/Playground/Manasa

```
nmana@DESKTOP-A58FJHG MINGW32 ~/Documents/GitHub/MOP-Code/Playground/Manasa (master)
$
```

Step 9: Type “git init”. It will create a hidden .git folder in your Playground folder (current working directory)

MINGW32:/c/Users/nmana/Documents/GitHub/MOP-Code/Playground/Manasa

```
nmana@DESKTOP-A58FJHG MINGW32 ~/Documents/GitHub/MOP-Code/Playground/Manasa (master)
$ git init
Initialized empty Git repository in C:/Users/nmana/Documents/GitHub/MOP-Code/Playground/Manasa/.git/
nmana@DESKTOP-A58FJHG MINGW32 ~/Documents/GitHub/MOP-Code/Playground/Manasa (master)
$
```

Documents > GitHub > MOP-Code > Playground > Manasa

Name	Date modified	Type	Size
.git	9/05/2024 3:41 PM	File folder	
Impact_of_Employment_housingprice.ipynb	9/05/2024 2:39 PM	Jupyter Source File	1,491 KB
usecase_TEMPLATE.ipynb	7/05/2024 2:11 PM	Jupyter Source File	10 KB

Step 10: Make changes in your usecase_TEMPLATE.ipynb and save your work (Ctrl + S)

https://colab.research.google.com/drive/1VJXLqfNtDaa83OReBCoxUqN78Yr2LzWw

usecase_TEMPLATE.ipynb

File Edit View Insert Runtime Tools Help Last saved at 3:32 PM

+ Code + Text

Connect Colab AI

DELETE BEFORE PUBLISHING

This is a template also containing the style guide for use cases. The styling uses the use-case css when uploaded to the website, which will not be visible on your local machine.

Change any text marked with {} and delete any cells marked DELETE

```
[ ] # DELETE BEFORE PUBLISHING
# This is just here so you can preview the styling on your local machine

from IPython.core.display import HTML
HTML("""
<style>
.usecase-title, .usecase-duration, .usecase-section-header {
padding-left: 15px;
padding-bottom: 10px;
padding-top: 10px;
padding-right: 15px;
background-color: #0f9295;
color: #fff;
}
```

Step 11: Close the git bash and open the playground folder (not your name folder but the playground folder itself). Right Click → Open Git Bash Here and Type Fetch origin in your git bash

Playground

Documents > GitHub > MOP-Code > Playground

Name	Date modified	Type	Size
Adrien-Auguste	22/03/2024 11:10 AM	File folder	
Alison	7/05/2024 2:00 PM	File folder	
ARCHIVE	22/03/2024 11:10 AM	File folder	
Harley	7/05/2024 2:00 PM	File folder	
Manasa	9/05/2024 3:41 PM	File folder	
Rhuth-Kharade	22/03/2024 11:10 AM	File folder	
RuofengQU-T3	7/05/2024 2:00 PM	File folder	
simranjitsingh	22/03/2024 11:10 AM	File folder	
te_claire	7/05/2024 2:00 PM	File folder	
TharushaCao	7/05/2024 2:00 PM	File folder	
Thomas	7/05/2024 2:00 PM	File folder	
WingsumWong_Carissa	7/05/2024 2:00 PM	File folder	
yash	22/03/2024 11:10 AM	File folder	

AMD Radeon Software

- View
- Sort by
- Group by
- Refresh
- Customize this folder...
- Open in Terminal
- Open with Visual Studio
- Open Git GUI here
- Open Git Bash here
- Paste
- Undo Delete Ctrl+Z
- Give access to
- New
- Properties


```
MINGW32:/c/Users/nmana/Documents/GitHub/MOP-Code/Playground
nmana@DESKTOP-A58FJHG MINGW32 ~/Documents/GitHub/MOP-Code/Playground (Manasa)
$ git fetch origin
```

Step 12. Type `git add`.

```
nmana@DESKTOP-A58FJHG MINGW32 ~/Documents/GitHub/MOP-Code/Playground (Manasa)
$ git add .
warning: in the working copy of 'Playground/Manasa/usecase_TEMPLATE.ipynb', LF w
ill be replaced by CRLF the next time Git touches it
nmana@DESKTOP-A58FJHG MINGW32 ~/Documents/GitHub/MOP-Code/Playground (Manasa)
$
```

Step 13. Type `git commit -m 'your message here'`

```
nmana@DESKTOP-A58FJHG MINGW32 ~/Documents/GitHub/MOP-Code/Playground (Manasa)
$ git commit -m "modified use case"
[Manasa 139738a8] modified use case
2 files changed, 328 insertions(+), 3 deletions(-)
```

Step 14. Type `git push` to push your changes made in Google Colab

```
MINGW32:/c/Users/nmana/Documents/GitHub/MOP-Code/Playground
hint: use 'git pull' before pushing again.
hint: See the 'Note about fast-forwards' in 'git push --help' for details.
nmana@DESKTOP-A58FJHG MINGW32 ~/Documents/GitHub/MOP-Code/Playground (Manasa)
$ git push
```

After pushing your changes, verify that they appear on your GitHub repository's

For further GitHub Command Cheat Sheet, please follow the Git Command sheets pdf posted in files of T3 MOP data science chat group.












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AliColli New screenshots of API v2.1 code using a fuction to more easily call... 

73f12bf · 2 months ago  History

Name	Last commit message	Last commit date
 ..		
 Archive	New screenshots of API v2.1 code using a fuction to more easily call...	2 months ago
 2024 - Onboarding Checklist MOP Data Science.docx	Updating file paths in onboarding documents	2 months ago
 2024 - Onboarding Checklist MOP Data Science.pdf	Updating file paths in onboarding documents	2 months ago
 Documentation template.dotx	Folder organisation	2 years ago
 Git Commands Cheat Sheet.docx	copy of work to datascience documentation and ready to publish use cases	5 months ago
 Git Commands Cheat Sheet.pdf	copy of work to datascience documentation and ready to publish use cases	5 months ago
 GitHub Tutorial.docx	Create GitHub Tutorial.docx	5 months ago
 GitHub Tutorial.pdf	Create GitHub Tutorial.pdf	5 months ago
 Guidance on how to generate use cases.docx	Folder organisation	2 years ago
 Guidance on how to generate use cases.pdf	Folder organisation	2 years ago

Author

Manasa Nagaraja

3/5/2024