

Using GitHub for Final Project

What is Git / GitHub?

Change-management
System

Allows multiple users to work on the same code at the same time



Why Use GitHub?

1. Seamlessly Integrate Changes

2. Show off your

work

GitHub is a place to showcase the pieces of your portfolio



Once you're Set Up...

← → ▾ ↑ This PC > Documents > Gitkraken_Project ▾ ↺ Search Git... 🔍

| Name | Date modified | Type | Size |
|--------------------------|-------------------|---------------|--------|
| .git | 4/24/2019 5:53 PM | File folder | |
| .gitignore | 4/18/2019 1:54 PM | Text Document | 1 KB |
| AP_Additional_Text | 4/18/2019 1:59 PM | Text Document | 1 KB |
| AP_Crispy_Baked_Wrappers | 4/18/2019 1:44 PM | Text Document | 1 KB |
| Crispy Baked Wrappers | 4/23/2019 9:53 AM | Text Document | 2 KB |
| DS_Additional_Text | 4/18/2019 1:44 PM | JPG File | 115 KB |
| DS_Tiramisu | 4/18/2019 1:44 PM | Text Document | 1 KB |
| MC_Additional_Text | 4/23/2019 8:35 AM | Text Document | 2 KB |
| MC_Shrimp_Garlic_Pasta | 4/18/2019 1:44 PM | Text Document | 1 KB |
| README | 4/23/2019 8:15 AM | Text Document | 2 KB |
| Shrimp_Garlic_Pasta | 4/18/2019 1:54 PM | MD File | 1 KB |
| Tiramisu | 4/18/2019 1:44 PM | JPG File | 61 KB |
| Tiramisu | 4/18/2019 1:44 PM | JPG File | 56 KB |

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| Name | Date modified | Type | Size |
|---|-------------------|---------------|--------|
| .git | 4/24/2019 5:53 PM | File folder | |
| | 4/18/2019 1:54 PM | Text Document | 1 KB |
| .gitignore | 4/18/2019 1:59 PM | Text Document | 1 KB |
| Advanced Chi-Square Lesson Python.ipynb | 7/2/2019 9:33 AM | IPYNB File | 35 KB |
| Advanced Chi-Square Lesson | 7/2/2019 8:49 AM | R File | 2 KB |
| AP_Additional_Text | 4/18/2019 1:44 PM | Text Document | 1 KB |
| AP_Crispy_Baked_Wrappers | 4/23/2019 9:53 AM | Text Document | 2 KB |
| Crispy Baked Wrappers | 4/18/2019 1:44 PM | JPG File | 115 KB |
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Open Changes in GitKraken

The screenshot displays the GitKraken application interface. The top bar includes the menu (File, Edit, View, Help), the repository name (Gitkraken_Project), the current branch (master), and a toolbar with actions like Undo, Redo, Pull, Push, Branch, Stash, Pop, Boards, and Timelines. The left sidebar shows the repository structure with LOCAL (5/5) and REMOTE (1/1) sections, including branches like appetizer_update, Conflict, master, WithoutRebase, WithRebase, and tags like GitProject, PULL REQUESTS, TAGS, SUBMODULES, and GITHUB ACTIONS.

The main area shows a commit history for the master branch, with a list of commits and their descriptions. The current commit is "Update AP_Crispy_Baked_Wrappers.txt" by WIP, dated 9 months ago. The commit history includes:

- Update AP_Crispy_Baked_Wrappers.txt
- Changing name again
- Website info
- Changed to double initials
- Dessert by line 5
- Recipe by your mom
- Merge branch 'WithRebase'
- Main Course by M
- Main Course allergies
- Merge branch 'WithoutRebase'
- Appetizer allergies
- Appetizer by M
- Merge branch 'appetizer_update'
- Strawberry sauce
- Merge branch 'appetizer_update'
- Individual dipping
- Add dipping sauce
- Revert "New dessert menu"
- New dessert menu
- Appetizer description and prep time
- Dessert description and prep time
- Appetizer add info
- Changed AP Wrappers Description
- First Commit
- Initial commit

The right sidebar shows the file diff view for the master branch, indicating 2 file changes. The changes are:

- Advanced Chi-Square Lesson Python.ipynb
- Advanced Chi-Square Lesson.R

The bottom right section shows the commit message form, with fields for Summary and Description, and a button to "Stage files/changes to commit".

Stage Files

The screenshot displays the GitKraken application interface for a project named "Gitkraken_Project". The interface is divided into several sections:

- Left Sidebar:** Contains a list of branches and files. The "master" branch is selected. Below it, a list of files is shown, including "appetizer_update", "Conflict", "WithoutRebase", and "WithRebase".
- Central Panel:** Shows a commit history graph. The current commit is "Update AP_Crispy_Baked_Wrappers.txt" (9 months ago). The graph shows a sequence of commits, including "Changing name again", "Website info", "Changed to double initials", "Dessert by line 5", "Recipe by your mom", "Merge branch 'WithRebase'", "Main Course by M", "Main Course allergies", "Merge branch 'WithoutRebase'", "Appetizer allergies", "Appetizer by M", "Merge branch 'appetizer_update'", "Strawberry sauce", "Merge branch 'appetizer_update'", "Individual dipping", "Add dipping sauce", "Revert 'New dessert menu'", "New dessert menu", "Appetizer description and prep time", "Dessert description and prep time", "Appetizer add info", "Changed AP Wrappers Description", "First Commit", and "Initial commit".
- Right Panel:** Shows the "Unstaged Files (2)" section, which includes "Advanced Chi-Square Lesson Python.ipynb" and "Advanced Chi-Square Lesson.R". A "Stage all changes" button is visible. Below this, the "Staged Files (0)" section is empty. At the bottom, there is a "Commit Message" section with a "Summary" and "Description" field, and a "Stage files/changes to commit" button.

The bottom status bar shows the application version as 6.5.3 and includes a "Feedback" button.

Commit

The screenshot displays the Gitkraken application interface, which is used for managing Git repositories. The interface is divided into several sections:

- Left Sidebar:** Contains a list of branches and files. The 'master' branch is selected and highlighted in green. Other branches listed include 'appetizer_update', 'Conflict', 'WithoutRebase', and 'WithRebase'. The 'LOCAL' section shows 5/5 files, and the 'REMOTE' section shows 1/1 file.
- Central Panel:** Displays a commit history graph. The graph shows a sequence of commits, with the 'master' branch at the top. The commits are listed on the right side of the graph, including 'Update AP_Crispy_Baked_Wrappers.txt', 'Changing name again', 'Website info', 'Changed to double initials', 'Dessert by line 5', 'Recipe by your mom', 'Merge branch 'WithRebase'', 'Main Course by M', 'Main Course allergies', 'Merge branch 'WithoutRebase'', 'Appetizer allergies', 'Appetizer by M', 'Merge branch 'appetizer_update'', 'Strawberry sauce', 'Merge branch 'appetizer_update'', 'Individual dipping', 'Add dipping sauce', 'Revert "New dessert menu"', 'New dessert menu', 'Appetizer description and prep time', 'Dessert description and prep time', 'Appetizer add info', 'Changed AP Wrappers Description', 'First Commit', and 'Initial commit'.
- Right Panel:** Contains a 'Commit Message' section with a 'Summary' and 'Description' field. Below this is a 'Type a message to commit' input field. The 'Unstaged Files (0)' section is empty. The 'Staged Files (2)' section shows two files: 'Advanced Chi-Square Lesson Python.ipynb' and 'Advanced Chi-Square Lesson.R'. A red button labeled 'Unstage all changes' is visible next to the staged files.

The top of the interface features a toolbar with various Git actions: Undo, Redo, Pull, Push, Branch, Stash, Pop, Boards, and Timelines. The bottom of the interface shows the 'Commit Message' section with a 'Summary' and 'Description' field, and a 'Type a message to commit' input field.

Examine Commit

The screenshot displays the Gitkraken application interface. On the left, a sidebar shows the repository structure with a list of branches: **LOCAL** (5/5) and **REMOTE** (1/1). The **master** branch is selected and highlighted. The main area shows a commit history graph with a vertical timeline of commits. The top commit is titled "Example for Workshop" and is associated with the **master** branch. Below it, several other commits are listed, including "Update AP_Crispy_Baked_Wrappers.txt", "Changing name again", "Website info", "Changed to double initials", "Dessert by line 5", "Recipe by your mom", "Merge branch 'WithRebase'", "Main Course by M", "Main Course allergies", "Merge branch 'WithoutRebase'", "Appetizer allergies", "Appetizer by M", and "Merge branch 'appetizer_update'".

On the right side, a detailed view of the selected commit is shown. The commit hash is **48b60d**. The commit message is "Example for Workshop". The author is **Meredith Dodd**, with the email **meredith.dodd@woz-u.com**. The commit was authored on **2/28/2020 @ 3:36 PM**. The parent commit is **e213c8**. The commit includes **2 added** files, which are listed as **Advanced Chi-Square Lesson Python.ipynb** and **Advanced Chi-Square Lesson.R**.

Push Changes

The screenshot displays the Gitkraken application interface. The top bar shows the repository name 'Gitkraken_Project' and the current branch 'master'. The left sidebar contains a list of branches: 'LOCAL' (5/5) and 'REMOTE' (1/1). The 'LOCAL' section lists branches: 'appetizer_update', 'Conflict', 'master' (checked), 'WithoutRebase', and 'WithRebase'. The 'REMOTE' section lists 'GitProject'. Below the sidebar is a section for 'PULL REQUESTS', 'TAGS', 'SUBMODULES', and 'GITHUB ACTIONS', all showing 0 items.

The main area shows a commit history graph. The current commit is 'Example for Workshop' (commit: 48b60d) by Meredith Dodd, dated 9 months ago. The graph shows a sequence of commits: 'Update AP_Crispy_Baked_Wrappers.txt', 'Changing name again', 'Website info', 'Changed to double initials', 'Dessert by line 5', 'Recipe by your mom', 'Merge branch 'WithRebase'', 'Main Course by M', 'Main Course allergies', 'Merge branch 'WithoutRebase'', 'Appetizer allergies', 'Appetizer by M', 'Merge branch 'appetizer_update'', 'Strawberry sauce', and 'Merge branch 'appetizer_update''. The 'Conflict' branch is also visible.

The right sidebar shows the commit details for 'Example for Workshop'. It includes the commit hash '48b60d', the author 'Meredith Dodd' (parent: e213c8), and the date '2/28/2020 @ 3:36 PM'. Below this, it shows '+ 2 added' files: 'Advanced Chi-Square Lesson Python.ipynb' and 'Advanced Chi-Square Lesson.R'.

View on GitHub

← → ↻ github.com/MeredithDodd/GitKraken_Project

MeredithDodd / GitKraken_Project

Watch 0

Star 0

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<> Code

Issues 0

Pull requests 0

Actions

Projects 0

Wiki

Security

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Settings

No description, website, or topics provided. [Edit](#)

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25 commits

1 branch

0 packages

0 releases

1 contributor

Branch: master

New pull request

Create new file

Upload files

Find file

Clone or download

MeredithDodd Example for Workshop

Latest commit 48b60d6 8 minutes ago

| | | |
|---|-------------------------------------|---------------|
| .gitignore | Initial commit | 11 months ago |
| .gitignore.txt | First Commit | 11 months ago |
| AP_Additional_Text.txt | First Commit | 11 months ago |
| AP_Crispy_Baked_Wrappers.txt | Update AP_Crispy_Baked_Wrappers.txt | 10 months ago |
| Advanced Chi-Square Lesson Python.ipynb | Example for Workshop | 8 minutes ago |
| Advanced Chi-Square Lesson.R | Example for Workshop | 8 minutes ago |
| Crispy Baked Wrappers.jpg | First Commit | 11 months ago |
| DS_Additional_Text.txt | First Commit | 11 months ago |
| DS_Tiramisu.txt | Recipe by your mom | 10 months ago |
| MC_Additional_Text.txt | First Commit | 11 months ago |
| MC_Shrimp_Garlic_Pasta.txt | Main Course by M | 10 months ago |
| README.md | Initial commit | 11 months ago |
| Shrimp_Garlic_Pasta.jpg | First Commit | 11 months ago |
| Tiramisu.jpg | First Commit | 11 months ago |

README.md

Gitkraken_Project



View Actual Files

MeredithDodd / GitKraken_Project

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Branch: master GitKraken_Project / Advanced Chi-Square Lesson Python.ipynb Find file Copy path

MeredithDodd Example for Workshop 48b6ed6 11 minutes ago

1 contributor

1222 lines (1222 sloc) 34.9 KB

Raw Blame History

Two Proportion Test in Python

In [2]:

```
import pandas as pd
import numpy as np
from statsmodels.stats.proportion import proportions_ztest
```

In [4]:

```
count = np.array([7, 12])
nobs = np.array([15, 28])
stat, pval = proportions_ztest(count, nobs)
print(stat, pval)
```

0.23974366706563624 0.810528980523634

One Proportion Test in Python

In [5]:

```
count = 15
nobs = 43
value = .5
stat, pval = proportions_ztest(count, nobs, value)
print(stat, pval)
```

-2.079806538622099 0.03754328113448803

Goodness of Fit Chi-Squares

In [9]:

```
import scipy, scipy.stats
```

In [13]:

```
SW = pd.read_csv('C:/Users/meredith.dodd/Documents/Data Science/105 Intermediate Statistics/Intermediate Statistics/SW_survey_renamed.csv')
```

MeredithDodd / GitKraken_Project

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Code Issues 0 Pull requests 0 Actions Projects 0 Wiki Security Insights Settings

Branch: master GitKraken_Project / Advanced Chi-Square Lesson.R Find file Copy path

MeredithDodd Example for Workshop 48b6ed6 12 minutes ago

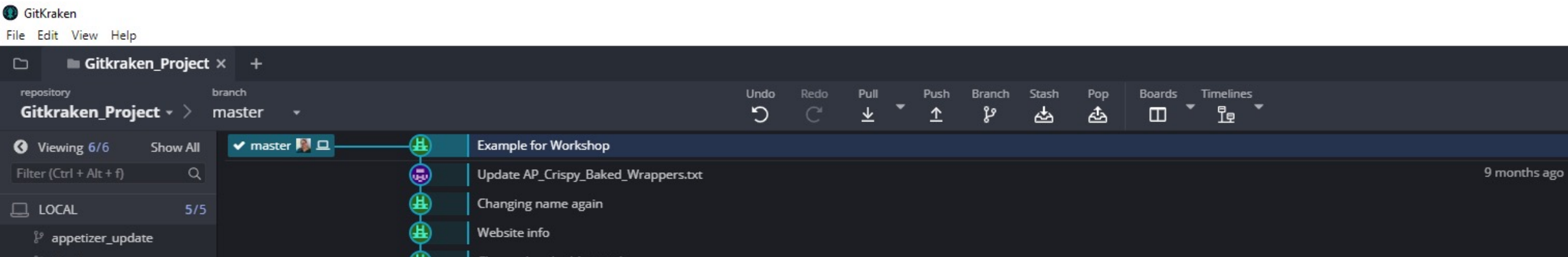
1 contributor

48 lines (27 sloc) 1.27 KB

Raw Blame History

```
1 # one proportion testing
2
3 prop.test(x = 15, n = 43, alternative = "less")
4
5
6 # Two proportion testing
7 prop.test(x = c(7, 12), n = c(15, 28), alternative = "two.sided")
8
9 # Chi-Squares in R
10
11 library("gmodels")
12
13 CrossTable(SW_survey_renamed$Age, SW_survey_renamed$RankI, fisher=TRUE, chisq = TRUE, expected = TRUE, sresid=TRUE, format="SPSS")
14
15 # Goodness of Fit Chi-Square
16
17 library("dplyr")
18
19 SW_survey_renamed %>% group_by(FanYN) %>% summarize(count=n())
20
21 observed = c(552, 284)
22 expected = c(0.90, 0.10)
23 chisq.test(x = observed, p = expected)
24
25 ## Both x and p have to be vectors of the same length.
26
27 # McNemar Chi-Square
28
29 ## Going to recode into morning and afternoon for the time stamp
30
31 str(bakery_sales)
32
33 bakery_sales$dateR <- as.Date(bakery_sales$date, format="%m/%d/%Y")
```

Pull Changes



An abstract pattern of thin white lines and small circles, resembling a circuit board or data connections, set against a dark blue background. The lines are vertical and horizontal, with some circles at the ends of the lines.

Questions?