

DS4D Assignment 4

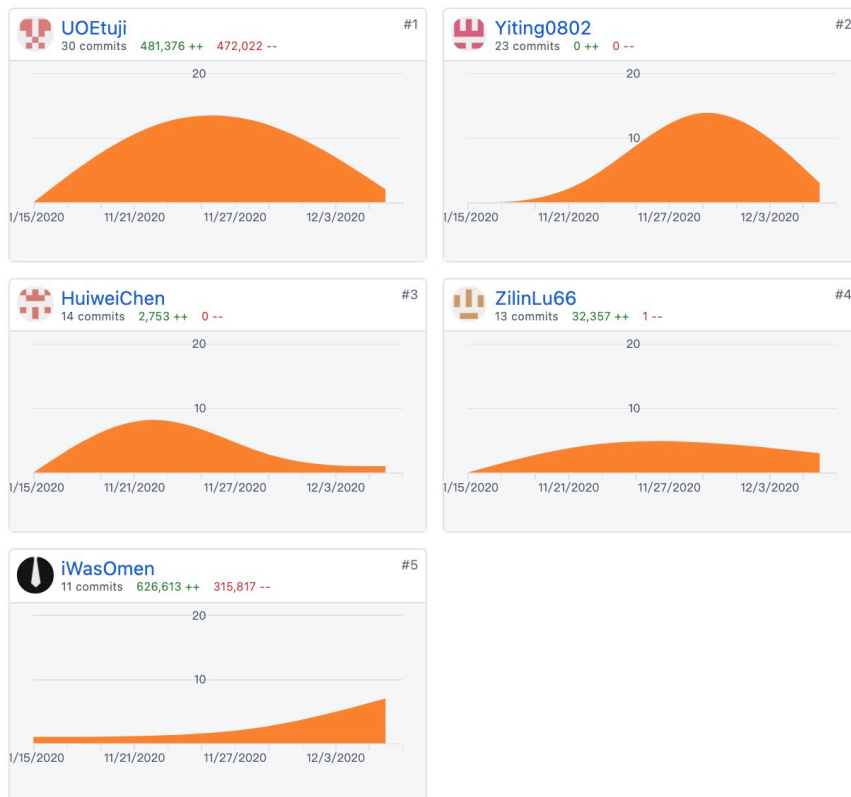
Tuji Yu, Huiwei Chen, Zilin Lu, Yiting Zhao, Zhihan Yang

A link to your Github repository and your Github handle

<https://github.com/DS4D-Group16/Assignment3>

A screenshot showing the number of commits that you have made

Contributions to master, excluding merge commits



A screenshot evidencing good, informative commit messages that you have made

UOEtuji committed 2 days ago

pattern findings description 4

UOEtuji committed 2 days ago

pattern findings description 3

UOEtuji committed 2 days ago

pattern findings 2

UOEtuji committed 2 days ago

pattern findings description

UOEtuji committed 2 days ago

Error dector findings 2

UOEtuji committed 2 days ago

error dector findings

UOEtuji committed 2 days ago

function code

UOEtuji committed 2 days ago

A2 Share version

UOEtuji committed 2 days ago

da code update

UOEtuji committed 2 days ago

new elements add

UOEtuji committed 2 days ago

code add for A3

UOEtuji committed 2 days ago

Merge branch 'master' of <https://github.com/DS4D-Group16/Assignment3>

UOEtuji committed 2 days ago

Add context part of report.

HuiweiChen committed 4 minutes ago

Commits on Nov 29, 2020

Add video's animals of frequency of part 3.

HuiweiChen committed 8 days ago

Commits on Nov 28, 2020

Add files via upload

HuiweiChen committed 8 days ago

Add part 2's another clearer icon set.

HuiweiChen committed 8 days ago

Add icons of part 2's electric-appliances. Choose the series you need.

HuiweiChen committed 9 days ago

Add Huiwei's assignment 2.

HuiweiChen committed 9 days ago

Add video's part 2: home 169.

HuiweiChen committed 9 days ago

Add video's part 2: home 1868.

HuiweiChen committed 9 days ago

Add video's part 2: home 5713.

HuiweiChen committed 9 days ago

Correct part 2's usage period, modify analysis.

HuiweiChen committed 9 days ago

Add video's part 2: home 1868.

HuiweiChen committed 9 days ago

Correct part 2's usage period, modify analysis.

HuiweiChen committed 9 days ago

Add part 2's timeline of 3 families' electric-appliances.

HuiweiChen committed 9 days ago

Commits on Nov 26, 2020

Add part 1's 7 video episodes.

HuiweiChen committed 10 days ago

History for [Assignment3](#) / [Assignment 3_Zilin Lu](#)

Commits on Dec 6, 2020

update ppt analysing part-box

ZilinLu66 committed 5 minutes ago

Verified

23ccc70

<>

Delete 演示文稿5.pptx

ZilinLu66 committed 6 minutes ago

Verified

4e8c4d6

<>

report_frequency programming part

ZilinLu66 committed 7 minutes ago

Verified

e5e1d44

<>

Commits on Dec 4, 2020

pre script

ZilinLu66 committed 2 days ago

Verified

3d3301f

<>

pre versions

ZilinLu66 committed 2 days ago

1

Verified

f23adf c

<>

shortcut-analysis part

ZilinLu66 committed 2 days ago

Verified

f99deb2

<>

delete pre

ZilinLu66 committed 2 days ago

Verified

3b929bb

<>

create pre

ZilinLu66 committed 2 days ago

Verified

94926dc

<>

Material for Final Report

Yiting0802 committed 16 hours ago

Commits on Dec 5, 2020

Add files via upload

Yiting0802 committed yesterday

Chart used in video

Yiting0802 committed 2 days ago

Chart used in video

Yiting0802 committed 2 days ago

Delete Usage Time of Some Appliances.png

Yiting0802 committed 2 days ago

Add files via upload

Yiting0802 committed 2 days ago

Chart used in video

Yiting0802 committed 2 days ago

Chart useful for video

Yiting0802 committed 2 days ago

Chart useful for video

Yiting0802 committed 2 days ago

Chart useful for video

Yiting0802 committed 2 days ago

Chart useful for video

Yiting0802 committed 2 days ago

master

Commits on Dec 6, 2020

update to final version of patterns flowchart

iWasOmen committed 14 hours ago

change video name

iWasOmen committed 17 hours ago

update report part

iWasOmen committed 17 hours ago

add report part

iWasOmen committed 17 hours ago

add patterns flowchart

iWasOmen committed 17 hours ago

delete duplicate files

iWasOmen committed 17 hours ago

Merge branch 'master' of <https://github.com/DS4D-Group16/Assignment3>

iWasOmen committed 17 hours ago

get 1868 information in assignment2 notebook

iWasOmen committed 17 hours ago

Commits on Dec 3, 2020

final video added

iWasOmen committed 4 days ago

Commits on Nov 30, 2020

update to the new version of repo

iWasOmen committed 7 days ago

add assignment3 part1

iWasOmen committed 7 days ago

Commits on Nov 25, 2020

3 home timeline pattern for assignment 3 part 2

iWasOmen committed 12 days ago

Commits on Nov 19, 2020

Assignmen2 from Zhihan Yang

iWasOmen committed 18 days ago

A screenshot showing an issue that you created.

0 Open 6 Closed		Author	Label	Projects	Milestones	Assignee	Sort
<input type="checkbox"/>	Things that could improve our work?	#6 by UOEtuji was closed 12 hours ago					1
<input type="checkbox"/>	Improvements of our analysis	#5 by Yiting0802 was closed 13 hours ago	help wanted				1
<input type="checkbox"/>	Machinima	#4 by HuiweiChen was closed 16 hours ago	enhancement				1
<input type="checkbox"/>	There is a mistake in the video	#3 by iWasOmen was closed 16 hours ago	video				1
<input type="checkbox"/>	confusion with two concepts	#2 by ZilinLu66 was closed 14 hours ago	help wanted				2
<input type="checkbox"/>	Great made Video	#1 by UOEtuji was closed 13 hours ago					3

A screenshot showing your contribution to discussion on someone else's issue.

Things that could improve our work? #6

 Closed UOEtuji opened this issue 13 hours ago · 1 comment



UOEtuji commented 13 hours ago

Member  ...

When receiving the data set, if we have more personal information (such as age, medical report, disease, gender, etc.), will it affect the results of our current analysis (positive or negative impact?)? Or the data that we are using now, do we pay attention to information security issues? Such as encryption processing? User personal information protection, etc.?



Yiting0802 commented 12 hours ago

Member  ...

If we have more personal information, we can make more analysis on the relationship between the characteristics of occupants and their appliances usage pattern and can make more predictions towards occupants' habits and safety. Thus, more personal information will give us positive influence.

The data we have got is only used in our analysis and we did not give it to another agency or upload it to an open website. However, we did not encrypt the data specifically, so there is a risk of data leakage.



 Yiting0802 closed this 12 hours ago

Machinima #4

 Closed HuiweiChen opened this issue 17 hours ago · 1 comment




HuiweiChen commented 17 hours ago

Member  ...

<https://en.wikipedia.org/wiki/Machinima>

I just want to know, in the condition that we don't know machinima at all, how we chose to use this method to present accidentally? It's magic!



 HuiweiChen added the **enhancement** label 17 hours ago



ZilinLu66 commented 16 hours ago

Member  ...

Sometimes we just come up with ideas based on personal experiences but maybe the ideas have their own terms in the related fields. It doesn't matter whether we are professionals or not. After all, the source of terms usually traces back to personal experiences.



 ZilinLu66 closed this 16 hours ago

Improvements of our analysis #5

 Closed Yiting0802 opened this issue 13 hours ago · 1 comment



Yiting0802 commented 13 hours ago

Member 😊 ...

We have known our bias mainly come from the lack of detailed electrical appliances data and personal information, what improvements can we make if we get access to these data?



Yiting0802 added the **help wanted** label 13 hours ago



UOEtuji commented 13 hours ago

Member 😊 ...

We can discuss the real power consumption of an appliance and compare the rated power in the specification to determine whether an appliance is as energy-saving as advertised



UOEtuji closed this 13 hours ago

There is a mistake in the video #3

 Closed iWasOmen opened this issue 17 hours ago · 1 comment



iWasOmen commented 17 hours ago

Member 😊 ...

Around 1:02, another "Habit" text shows wrongly below the circle.



iWasOmen added the **video** label 17 hours ago



HuiweiChen commented 17 hours ago

Member 😊 ...


Don't worry, there's another error, 'we also use data to appliances' 😊




HuiweiChen closed this 17 hours ago

confusion with two concepts #2

 **Closed** ZilinLu66 opened this issue 2 days ago · 2 comments




ZilinLu66 commented 2 days ago


Member  ...

In the handbook, Assignment 3 LO1:Data part shows some issues surrounding the data. I am a little bit confused with bias and underrepresentation. Can anyone explain what data bias means and give me a brief example? thx.

 1




HuiweiChen commented 17 hours ago


Member  ...

I have the same question. Maybe bias means what we learnt before, such as measuring error (omg it's error), system error, etc...? I don't know 555



  ZilinLu66 added the **help wanted** label 17 hours ago



iWasOmen commented 14 hours ago

Member  ...

I think bias is that when we analyze something, we ignore some aspects, so it may lead to some errors. For example, we get the life progress in this project according to usage time but it's in fact affected by many aspects. So our conclusion may have bias. Underrepresentation is that we just use a small set of data to get a conclusion for a wider range situation. For example, if we use the data in Blackwood to give a conclusion for all nursing homes, it will result in underrepresentation.

  iWasOmen closed this 14 hours ago