



Re: Week B Module 4

From Savi Alwis <sma7b@mtmail.mtsu.edu>

Date Wed 3/19/2025 7:59 PM

To Moses Kipkemboi <mk7v@mtmail.mtsu.edu>; Muqtasid Qureshi <mnq2a@mtmail.mtsu.edu>; Pallavi Suram <pgs2q@mtmail.mtsu.edu>

Just added your coding contributions to the main notebook.

It would be easier moving forward if we each added our contributions to the group notebook.

I will work on the weekly summaries and turn in our deliverables.

Best,
Savi

From: Moses Kipkemboi <mk7v@mtmail.mtsu.edu>

Sent: Wednesday, March 19, 2025 7:10 PM

To: Savi Alwis <sma7b@mtmail.mtsu.edu>; Muqtasid Qureshi <mnq2a@mtmail.mtsu.edu>; Pallavi Suram <pgs2q@mtmail.mtsu.edu>

Subject: Re: Week B Module 4

Team,

I am done from my end.

Moses

From: Savi Alwis <sma7b@mtmail.mtsu.edu>

Sent: Thursday, 20 March 2025 03:04

To: Muqtasid Qureshi <mnq2a@mtmail.mtsu.edu>; Moses Kipkemboi <mk7v@mtmail.mtsu.edu>; Pallavi Suram <pgs2q@mtmail.mtsu.edu>

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I think so too.

I'll do that and I can add your too Moses.

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From: Muqtasid Qureshi <mnq2a@mtmail.mtsu.edu>

Sent: Wednesday, March 19, 2025 7:03:09 PM

To: Moses Kipkemboi <mk7v@mtmail.mtsu.edu>; Savi Alwis <sma7b@mtmail.mtsu.edu>; Pallavi Suram <pgs2q@mtmail.mtsu.edu>

Subject: Re: Week B Module 4

It should be about ready now.

Please integrate my code with the Google collab, if possible.

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From: Muqtasid Qureshi <mnq2a@mtmail.mtsu.edu>
Sent: Wednesday, March 19, 2025 6:44:38 PM
To: Moses Kipkemboi <mk7v@mtmail.mtsu.edu>; Savi Alwis <sma7b@mtmail.mtsu.edu>; Pallavi Suram <pgs2q@mtmail.mtsu.edu>
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My code is in the GitHub main repository.

You will only need the code block I used to rename the ethnic groups

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Sent: Wednesday, March 19, 2025 6:34:32 PM
To: Muqtasid Qureshi <mnq2a@mtmail.mtsu.edu>; Savi Alwis <sma7b@mtmail.mtsu.edu>; Pallavi Suram <pgs2q@mtmail.mtsu.edu>
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I've fixed it figure 5. Let me try running the code in your or Savi's code to see if can obtain uniformity for that.

From: Muqtasid Qureshi <mnq2a@mtmail.mtsu.edu>
Sent: Thursday, 20 March 2025 02:28
To: Moses Kipkemboi <mk7v@mtmail.mtsu.edu>; Savi Alwis <sma7b@mtmail.mtsu.edu>; Pallavi Suram <pgs2q@mtmail.mtsu.edu>
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There seems to be an issue with the visuals.
Figure 0 uses different naming for the racial groups.
Also, figure 5 is missing

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Sent: Wednesday, March 19, 2025 6:22:28 PM
To: Muqtasid Qureshi <mnq2a@mtmail.mtsu.edu>; Savi Alwis <sma7b@mtmail.mtsu.edu>; Pallavi Suram <pgs2q@mtmail.mtsu.edu>
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We could insert a section after limitations, "conclusions", and we mention this?

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Sent: Wednesday, March 19, 2025 6:18:38 PM
To: Moses Kipkemboi <mk7v@mtmail.mtsu.edu>; Savi Alwis <sma7b@mtmail.mtsu.edu>; Pallavi Suram <pgs2q@mtmail.mtsu.edu>
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I think so. Such as, we could say that data bias is there because minorities were forced to live in less desirable areas,

This a modern analyst who is ignorant of the biased may unintentionally make it much harder for the minority applicant to get approval for a loan (assumption that they are less trustworthy because they come from less desirable areas, not counting that they historically didn't have a choice of living places)

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Do you think we need to mention something around algorithm amplifying bias ?

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Sent: Wednesday, March 19, 2025 6:13:11 PM
To: Savi Alwis <sma7b@mtmail.mtsu.edu>; Moses Kipkemboi <mk7v@mtmail.mtsu.edu>; Pallavi Suram <pgs2q@mtmail.mtsu.edu>
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Specifically, the guidelines say that data bias refers to the historical bias in the data (neighborhood demographics, property values based on area, etc).

Algorithmic bias refers to lending systems (approval rates, risk assessment, using biased proxy variables)

It seems he wants the report to be in this format:

Intro

Methodology

Findings (data bias analysis and algorithm bias analysis)

Discussion

Limitations & future work

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From: Muqtasid Qureshi <mnq2a@mtmail.mtsu.edu>
Sent: Wednesday, March 19, 2025 5:59:27 PM
To: Savi Alwis <sma7b@mtmail.mtsu.edu>; Moses Kipkemboi <mk7v@mtmail.mtsu.edu>; Pallavi Suram <pgs2q@mtmail.mtsu.edu>
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I believe the paper could use an improved explanation of data bias vs algorithm bias.

After that, the paper will be ready for submission.

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Sent: Wednesday, March 19, 2025 5:19:47 PM
To: Moses Kipkemboi <mk7v@mtmail.mtsu.edu>; Muqtasid Qureshi <mnq2a@mtmail.mtsu.edu>; Pallavi Suram <pgs2q@mtmail.mtsu.edu>
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I think the essay looks good now. Can I turn in our deliverables and our week A and B discussion?

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Sent: Wednesday, March 19, 2025 1:07:10 PM
To: Muqtasid Qureshi <mnq2a@mtmail.mtsu.edu>; Savi Alwis <sma7b@mtmail.mtsu.edu>; Pallavi Suram <pgs2q@mtmail.mtsu.edu>
Subject: Re: Week B Module 4

I have adopted both, please review and see if you can add more information or edits.

Moses

From: Moses Kipkemboi <mk7v@mtmail.mtsu.edu>
Sent: Wednesday, 19 March 2025 19:46
To: Muqtasid Qureshi <mnq2a@mtmail.mtsu.edu>; Savi Alwis <sma7b@mtmail.mtsu.edu>; Pallavi Suram <pgs2q@mtmail.mtsu.edu>
Subject: Re: Week B Module 4

I am working on them. Let me see what I can draft.

From: Muqtasid Qureshi <mnq2a@mtmail.mtsu.edu>
Sent: Wednesday, 19 March 2025 19:44
To: Moses Kipkemboi <mk7v@mtmail.mtsu.edu>; Savi Alwis <sma7b@mtmail.mtsu.edu>; Pallavi Suram <pgs2q@mtmail.mtsu.edu>
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Unfortunately, I won't be able to make any edits until 6 pm today.

I am also not certain about how to interpret the graphs

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From: Moses Kipkemboi <mk7v@mtmail.mtsu.edu>
Sent: Wednesday, March 19, 2025 11:36:34 AM
To: Muqtasid Qureshi <mnq2a@mtmail.mtsu.edu>; Savi Alwis <sma7b@mtmail.mtsu.edu>; Pallavi Suram <pgs2q@mtmail.mtsu.edu>
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Qureshi,

The graph about loan amount is necessary. Let me figure out how I can link it up or have it in the body.

Moses

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Sent: Wednesday, March 19, 2025 11:34:13 AM

To: Moses Kipkemboi <mk7v@mtmail.mtsu.edu>; Savi Alwis <sma7b@mtmail.mtsu.edu>; Pallavi Suram <pgs2q@mtmail.mtsu.edu>

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Hello everyone,

I included the last bar graphs after citations since they might be unused.

If there is no use for them, then please delete those last bar graphs.

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From: Moses Kipkemboi <mk7v@mtmail.mtsu.edu>

Sent: Wednesday, March 19, 2025 11:32:32 AM

To: Savi Alwis <sma7b@mtmail.mtsu.edu>; Muqtasid Qureshi <mnq2a@mtmail.mtsu.edu>; Pallavi Suram <pgs2q@mtmail.mtsu.edu>

Subject: Re: Week B Module 4

Greetings Team,

I have reviewed the word document. I have done edits in the body, formatted the whole document (font size, alignment, figures), I have beefed up limitations.

I'm just wondering with the bar graphs in the last page, do we need to link them up somewhere in the body or they are just standalone?

I will update my code later today in the GitHub.

Regards
Moses

From: Moses Kipkemboi <mk7v@mtmail.mtsu.edu>

Sent: Tuesday, 18 March 2025 17:14

To: Savi Alwis <sma7b@mtmail.mtsu.edu>; Muqtasid Qureshi <mnq2a@mtmail.mtsu.edu>; Pallavi Suram <pgs2q@mtmail.mtsu.edu>

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Savi,

That sounds good.

Good day.

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From: Savi Alwis <sma7b@mtmail.mtsu.edu>

Sent: Tuesday, March 18, 2025 9:13:33 AM

To: Moses Kipkemboi <mk7v@mtmail.mtsu.edu>; Muqtasid Qureshi <mnq2a@mtmail.mtsu.edu>; Pallavi Suram <pgs2q@mtmail.mtsu.edu>

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If you feel that anything is missing, you can add.

Best,
Savi

From: Moses Kipkemboi <mk7v@mtmail.mtsu.edu>

Sent: Tuesday, March 18, 2025 9:12 AM

To: Savi Alwis <sma7b@mtmail.mtsu.edu>; Muqtasid Qureshi <mnq2a@mtmail.mtsu.edu>; Pallavi Suram <pgs2q@mtmail.mtsu.edu>

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Thank you for the guide [@Muqtasid Qureshi](#). I will work on updating it from my end in the course for the day.

[@Savi Alwis](#) is there a specific area I should look into?

Moses

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From: Savi Alwis <sma7b@mtmail.mtsu.edu>

Sent: Tuesday, March 18, 2025 9:08:23 AM

To: Muqtasid Qureshi <mnq2a@mtmail.mtsu.edu>; Moses Kipkemboi <mk7v@mtmail.mtsu.edu>; Pallavi Suram <pgs2q@mtmail.mtsu.edu>

Subject: Re: Week B Module 4

Hi all,

I just edited the paper with some formatting and other small edits. I will check back later to add my contributions if anything is missing.

Best,
Savi

From: Muqtasid Qureshi <mnq2a@mtmail.mtsu.edu>

Sent: Monday, March 17, 2025 6:13 PM

To: Savi Alwis <sma7b@mtmail.mtsu.edu>; Moses Kipkemboi <mk7v@mtmail.mtsu.edu>; Pallavi Suram <pgs2q@mtmail.mtsu.edu>

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Just to clarify, you must log in to group GitHub and send an invite to your personal GitHub, using the instructions provided earlier

Then log in to personal GitHub, click notification icon (left of the top right corner). Then you accept the invitation.

This must be done for each module project.

(I made typos earlier)

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Sent: Monday, March 17, 2025 12:48:58 PM
To: Muqtasid Qureshi <mnq2a@mtmail.mtsu.edu>; Moses Kipkemboi <mk7v@mtmail.mtsu.edu>; Pallavi Suram <pgs2q@mtmail.mtsu.edu>
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Thanks Muqtasid,

I will add my edits to the paper.

Best,
Savi

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Sent: Monday, March 17, 2025 12:44:02 PM
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Please note that I won't be able to edit the document much further, since I have another exam to study for this week

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Sent: Monday, March 17, 2025 12:37:20 PM
To: Moses Kipkemboi <mk7v@mtmail.mtsu.edu>; Savi Alwis <sma7b@mtmail.mtsu.edu>; Pallavi Suram <pgs2q@mtmail.mtsu.edu>
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And yes, it is possible to track who made what changes to the main repository

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Sent: Monday, March 17, 2025 12:36:34 PM
To: Moses Kipkemboi <mk7v@mtmail.mtsu.edu>; Savi Alwis <sma7b@mtmail.mtsu.edu>; Pallavi Suram <pgs2q@mtmail.mtsu.edu>
Subject: Re: Week B Module 4

Hello everyone.

I added my information to the Google docs. We have over 6 pages with pictures, but it is a rough draft and needs to be revised to more closely follow the guidelines (explaining the differences between data bias and algorithmic bias).

Also, it turns out there is a correct way for other accounts to directly edit the GitHub main repository.

On the group GitHub, go to 'Data-6550-Algorithms' repository.

Then click "settings" (above pin symbol)
Then click "collaborators" (left side under access)
Then click "add people"
Add your personal account.

Then from your personal account, click the message notification button. Accept invitation to join.

You will be able to edit the main repository from your personal account

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Sent: Sunday, March 16, 2025 9:37:42 PM
To: Savi Alwis <sma7b@mtmail.mtsu.edu>; Muqtasid Qureshi <mnq2a@mtmail.mtsu.edu>; Pallavi Suram <pgs2q@mtmail.mtsu.edu>
Subject: Re: Week B Module 4

Hello,

Great progress Savi, I will add my inputs from tomorrow.

Moses

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From: Savi Alwis <sma7b@mtmail.mtsu.edu>
Sent: Sunday, March 16, 2025 9:35:12 PM
To: Muqtasid Qureshi <mnq2a@mtmail.mtsu.edu>; Pallavi Suram <pgs2q@mtmail.mtsu.edu>; Moses Kipkemboi <mk7v@mtmail.mtsu.edu>
Subject: Re: Week B Module 4

Hey everyone,

I've loaded the data and started our notebook. I did some data cleansing and started the Initial Analysis.

Best,
Savi

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From: Savi Alwis
Sent: Sunday, March 16, 2025 12:23:20 PM
To: Muqtasid Qureshi <mnq2a@mtmail.mtsu.edu>; Pallavi Suram <pgs2q@mtmail.mtsu.edu>; Moses Kipkemboi <mk7v@mtmail.mtsu.edu>
Subject: Week B Module 4

Hi all,

I have added the data and started our notebook. Please make sure you are contributing from your own GitHub accounts and merge your changes onto our group account so you can get credit for your contributions.

Here is the repository, you can create a fork of this from your own account:

<https://github.com/Group4-s2025/DATA-6550-Algorithms>

Best,
Savi