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Department of  
Biomedical Informatics

# **BMI 500:**

## **Introduction to Biomedical Informatics**

**Lecture 2. Coding, documentation, security  
& data management basics**

**Homework- Week 2**

**Github**

**Seyedeh Somayyeh Mousavi**

# Create backup folder in the cloud

The screenshot displays the GitHub profile of a user named Somayyehmousavi. The profile includes a circular avatar with a yellow and white geometric design, the username 'Somayyehmousavi', an 'Edit profile' button, and a note 'Joined 4 days ago'. Below the profile information is an 'Achievements' section with a small emoji icon and a 'Beta' badge with a 'Send feedback' link.

The main content area is titled 'Popular repositories' and lists several public repositories. A red rectangular box highlights the repository 'Somayyeh\_BMI'. The repositories listed are:

- Github\_Tutorial** (Public): Forked from sparkfun/Github\_Tutorial. A very basic and flawed piece of code to show how Github GUI works. Language: C++.
- BPImageTranscribe** (Public): Forked from cliffordlab/BPImageTranscribe. Code base to transcribe blood pressure readings from photos of LCD display of Omron oscillometric devices. Language: Python.
- CalculatePi** (Public): Forked from Gonkers/CalculatePi. Different ways to calculate Pi in celebration of Pi day. Language: C#.
- GITBMI** (Public): Language: Python.
- Somayyeh\_BMI** (Public): Language: Python. (Highlighted with a red box)
- Blood-Pressure-Estimation-using-PPG-signal** (Public): Forked from asiabachanowicz/Blood-Pressure-Estimation-using-PPG-signal. Language: Python.

# Create code and check in to Github

```
def LeibnizFormula (N):  
    # N must be a positive number  
    if N > 0 :  
        sum= 0  
        for i in range(0,N,1):  
            sum += (-1)**i / (2*i +1)  
        return sum  
  
    # If N be a negative number  
    else:  
        print("IT CAN NOT BE CALCULATED")
```

The screenshot shows the GitHub interface for a repository named 'Somayyehmousavi / Somayyeh\_BMI'. The repository is public and has 1 branch (main) and 0 tags. The file list shows three files: 'Somayyehmousavi-Add files via upload', 'BMI\_week2\_problem1\_Mousavi.py', and 'README.md'. The 'BMI\_week2\_problem1\_Mousavi.py' file is highlighted with a red box. Below the file list, the 'README.md' content is displayed, showing the title 'Somayyeh\_BMI'.

Somayyehmousavi / Somayyeh\_BMI (Public)

<> Code Issues Pull requests Actions Projects Wiki Security Insights Settings

main 1 branch 0 tags Go to file Add file Code

Somayyehmousavi-Add files via upload 8a28486 6 hours ago 2 commits


BMI\_week2\_problem1\_Mousavi.py Add files via upload 6 hours ago

README.md Initial commit 6 hours ago

README.md

Somayyeh\_BMI

# Check out your neighbor's code




Somayyehmousavi

Edit profile

Joined 4 days ago

Achievements




Beta [Send feedback](#)

**BPIimageTranscribe** Public  
Forked from cliffordlab/BPIimageTranscribe  
Code base to transcribe blood pressure readings from photos of LCD display of Omron oscillometric devices  
Python


**Somayyeh\_BMI** Public  
Python

**CalculatePi** Public  
Forked from Gonkers/CalculatePi  
Different ways to calculate Pi in celebration of Pi day.  
C#

**Blood-Pressure-Estimation-using-PPG-signal** Public  
Forked from asiabachanowicz/Blood-Pressure-Estimation-using-PPG-signal  
Python





[Pull requests](#) [Issues](#) [Marketplace](#) [Explore](#)


 [Somayyehmousavi / Blood-Pressure-Estimation-using-PPG-signal](#) Public

forked from [asiabachanowicz/Blood-Pressure-Estimation-using-PPG-signal](#)

[Code](#) [Pull requests](#) [Actions](#) [Projects](#) [Wiki](#) [Security](#) [Insights](#) [Settings](#)

 **main** ▾

 **2 branches**


 **0 tags**


[Go to file](#)




[Add file ▾](#)

[Code ▾](#)


This branch is up to date with [asiabachanowicz/Blood-Pressure-Estimation-using-PPG-signal:main](#). [Contribute ▾](#) [Sync fork ▾](#)

 **asiabachanowicz** Create README.md

842795e on Jun 14, 2021  **2 commits**

 <b>matlab</b>	Checked	15 months ago
 <b>python</b>	Checked	15 months ago
 <b>README.md</b>	Create README.md	15 months ago

README.md



Software for evaluation of blood pressure from PPG signal using artificial neural networks

# Perform a code review

The screenshot shows a GitHub repository page for 'python-change' with the path 'Blood-Pressure-Estimation-using-PPG-signal / python /'. The interface includes buttons for 'Go to file', 'Add file', and a menu. A status bar indicates 'This branch is 1 commit ahead of asiabachanowicz:main.' and options to 'Contribute' or 'Sync fork'.

A commit history table is displayed, showing the following entries:

Commit Hash	Author	Message	Time
98924f2	Somayyehmousavi	Update data-preprocessing.py	5 hours ago
		1.csv	15 months ago
		2.csv	15 months ago
		3.csv	15 months ago
		Instrukcja obsługi programów.pdf	15 months ago
		bp-icon.ico	15 months ago
		data-preprocessing.py	5 hours ago
		data.csv	15 months ago
		dia_blood_pressure.py	15 months ago
		estimated.csv	15 months ago

The commit 'Update data-preprocessing.py' by 'Somayyehmousavi' is highlighted with a red box.


## Somayyehmousavi / Blood-Pressure-Estimation-using-PPG-signal Public

forked from [asiabachanowicz/Blood-Pressure-Estimation-using-PPG-signal](#)

[Code](#) [Pull requests](#) [Actions](#) [Projects](#) [Wiki](#) [Security](#) [Insights](#) [Settings](#)




### Update data-preprocessing.py

I think it is better to describe the reasons for choosing numbers such as 750, 1100 and etc.  
27. # numbers are considered to drop input they are not accurate

 python-change ([asiabachanowicz/Blood-Pressure-Estimation-using-PPG-signal#1](#))

 Somayyehmousavi committed 5 hours ago Verified

Showing 1 changed file with 2 additions and 1 deletion.

▼  3  python/data-preprocessing.py 



## 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.



base repository: asiabachanowicz/Blood-Pressu...

base: main



head repository: Somayyehmousavi/Blood-Pres...

compare: python-change

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



First pull

Write

Preview

H B I @

I think it is better to describe the reasons for choosing numbers such as 750, 1100 and etc.  
27. # numbers are considered to drop input they are not accurate

Attach files by dragging & dropping, selecting or pasting them.

☒ Allow edits by maintainers

Create pull request

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

Helpful resources

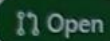
[GitHub Community Guidelines](#)

1 file changed

1 contributor



## First pull #1



Somayyehmousavi wants to merge 1 commit into `asiabachanowicz:main` from `Somayyehmousavi:python-change`



Conversation 0



Commits 1



Checks 0



Files changed 1



Somayyehmousavi commented 25 minutes ago



I think it is better to describe the reasons for choosing numbers such as 750, 1100 and etc.  
27. # numbers are considered to drop input they are not accurate



Update `data-preprocessing.py`

Verified

98924f2

Reviewers

No reviews

Still in progress? Conve

Assignees

No one assigned

Labels

None yet

Projects

None yet

Milestone

No milestone



**This branch has no conflicts with the base branch**

Only those with [write access](#) to this repository can merge pull requests.



Write

Preview

H B I

Leave a comment