Welcome!

We are glad to see your application! We hope that we can help you in your journey of AI! First, we like to inform you about who we are and what we are aiming for with this community. We are Bogazici University alumni and undergraduates who are experienced in fields such as machine learning, deep learning, natural language processing, and computer vision. We would love to share our experiences with new learners while cultivating a culture that sustains spreading the knowledge.

For introduction, you will get to know open-source libraries in Python alongside with the common practices and methods in many fields of AI. Each topic will be delivered to you by our mentors via lectures, articles, and example code snippets.

There will be 2 phases for the introduction courses. In the first phase, which you are currently in, course materials will be supplied to you weekly – occasionally alongside online-meeting lectures. You are requested to complete given exercise problems and submit them to a given address for each task. Following the first phase, you will be assigned to your mentor in the community, who will be responsible for you and will track your progress while guiding you when you are stuck.

If you complete your introductory courses, not only you get to choose your area of interest and expand your knowledge deeper in that subject, but also you will become a mentor for newcomers in the introduction level in order to cover what you have learned. That way, while maintaining peer-to-peer guidance in the learning phase, you will be checking if you missed anything previously.

We hope that, in time, you will be very confident with your skills and want to participate in projects or create your own. We are more than eager to work on advanced projects and contribute to current research in the area.

We would like to welcome and meet the new members. We will introduce ourselves, explain our vision/mission and listen to your expectations to make this community engaging better.

Topic: BogaziciAI Welcome Meeting
Time: Jul 7, 2021 02:00 PM Eastern Time (US and Canada) - 09:00 PM (Turkey)
Join Zoom Meeting
https://cmu.zoom.us/j/3576356573?pwd=S2RVTXg5YXJHMFVxVmluTjVvbUdMdz09
Meeting ID: 357 635 6573
Passcode: bogazici

Topic: BogaziciAI Regression Lecture
Time: Jul 8, 2021 02:00 PM Eastern Time (US and Canada) - 09:00 PM (Turkey)
Join Zoom Meeting
https://cmu.zoom.us/j/3576356573?pwd=S2RVTXg5YXJHMFVxVmluTjVvbUdMdz09
Meeting ID: 357 635 6573
Passcode: bogazici

We will have a 30min-lecture followed by an office hour to help you in the installation and this task.

Task-Zero

IDE Setup

You are expected to install Anaconda | Individual Edition alongside Python 3.8 to your PC. Next, you will setup Jupyter Notebook and Spyder environments. You can refer to sources below.

Anaconda Installation:
Install Anaconda Python, Jupyter Notebook And Spyder on Windows 10 - YouTube

How to install Anaconda(python) on Windows 10 | 2021 | Download & Install Anaconda latest version - YouTube

Following setting the environment up, you are requested to install 3 important libraries for Python. You can achieve that by using Anaconda Command window. Nevertheless, using Navigator User interface would be easier for you.

- Numpy :: Anaconda.org : **If you have installed Anaconda correctly, Numpy should come with it.**
  NumPy is the fundamental package needed for scientific computing with Python.

- Scikit Learn :: Anaconda.org ;
  scikit-learn: machine learning in Python — scikit-learn 0.24.2 documentation
  A free software machine learning library

- Installation — Matplotlib 3.4.2 documentation

Exercise Completion

The document shared with you (Python_Intro.ipynb and LinearRegression.ipynb) includes basics for Python and Linear/Polynomial Regression. There are a few blank exercise cells. You are requested to fill those cells as explained.

Submission will only include completed .ipynb files and will be submitted to bogaziciaicommunity@gmail.com.

If you would like to meet some of the volunteers and have questions as to how we will proceed with the study group, we will be holding a zoom session on -- 7 Temmuz
Also, If you need help for Task-Zero, you can attend the lecture on -- 8 Temmuz.

Optional

Creating A Conda Environment

Create a new conda environment and name it however you wish. Next, install the aforementioned libraries into this new environment. As different projects require different libraries and versions, it is a good habit to keep environments for specific projects.

GitHub

If you wish to keep on track and keep your work organized, it is recommended to use GitHub to fulfill that purpose. GitHub enables you to store your work on the cloud and see changes you or your teammates made for each commit.

Git and GitHub for Beginners - Crash Course - YouTube
How to use GitHub Desktop: The easy tutorial(Part1) - Bing video