

RECESS FINAL PROJECT 2023

BSE2301 SOFTWARE ENGINEERING MINI PROJECT 2

Having successfully gone through the Python Programming Language, Jupyter Notebook, Machine Learning and web development frameworks (Django & Flask) training, you are now ready to work with big data while applying the different techniques you have acquired.

Use python and analytics functions to interrogate the data given to you and derive insights about it. You will be required to include most of the functions you learn. Using functions that were not in the lecture scope will even earn your team higher marks.

You will be expected to submit for data science and Machine Learning projects;

1. A final report of not more than 10 pages (Soft and Hard Copy Documentation) including;
 - An introduction about your dataset.
 - The key objectives for analyzing your data.
 - Features (columns) you analyzed and why you chose them.
 - Processes and techniques, you used and why you chose to use them. (Also include pictures and explanations of your data before and after cleaning it.)
 - Well annotated screenshots of the visualizations (plots/tables) you've generated.
 - Deductions/conclusions for your data.
2. Your script files.

For Web Development Projects

-A final report of not more than 10 pages (Soft and Hard Copy Documentation) including;

- An introduction about your web application.
- Screenshots of your Projects
- Documentation of your web app systems
- The source code of your project via email and GitHub

Note:

- This is group work and every group member should be actively involved in doing it.
- The project will run for 2 weeks starting on 24th **July 2022 to 11th August 2023 till 11:59 pm.**
- **Email us : jeff.geoff.cis@gmail.com cc. ndigezzaliveingstone2@gmail.com and send us the link for the GitHub Repository!**
- Every group will be supervised at least once. Each group will be required to set up a convenient date and zoom link which will be shared with your supervisors. Supervision is mainly to track your progress and guide you where you're having challenges.

Meetings on ZOOM

Meeting ID: 208 923 2478

Passcode: 013aYD

[https://zoom.us/j/2089232478?](https://zoom.us/j/2089232478?pwd=cVFLZmVkQ3YweW1VUDdjNDNSTnVoQT09)

[pwd=cVFLZmVkQ3YweW1VUDdjNDNSTnVoQT09](https://zoom.us/j/2089232478?pwd=cVFLZmVkQ3YweW1VUDdjNDNSTnVoQT09)

- Lastly, you will have presentations on an agreed date before 12th of August 2023 that will be communicated to you through the class Rep.

Project allocation

No.	Dataset (Data Science) 1, 2	Groups	Groups
1	Malaria in Africa	A, Y	B, Z
2	UACE Results by School 2011-2016	C,	D
3	Dataset(Machine Learning) 3, 4 Fingerprint dataset	E, O	F,P
4	Dataset(Machine Learning) Audio bird song dataset	G, Q	H, R
5	Web Development with Django or Flask (5, 6 & 7) Django Project ! Build a system for collecting feedback from students about courses, instructors, and campus facilities.	I, S	J, T
6	Flask Project! Build a platform that connects students with internship and job opportunities, allowing them to submit resumes and view job listings.	K,U	L, V
7	Django Project! Create a web app that provides a map of the campus and allows users to find buildings, classrooms, and other locations	M, W	N, X

Cheers!