

# WEBSITES



https://mariaulf4h.github.io/



in linkedin.com/in/mariaulfah



@mariaulf4h K@mariaulfah



<u>datacamp.com/profile/mariaulfah</u>

## **TECH-SKILLS**

Programming languages: Python, R, SQL	••••
Data Science tools - Python: NumPy, Pandas, Matplotlib, Seaborn	••••
Data Science tools - R: tidyverse, dplyr, ggplot2.	••••
ML & Deep Learning tools: TensorFlow 2.0, Scikit-learn, Scipy, XGBoost, MLflow.	••••
NLP: NLTK	••••
Times Series: Prophet	••••
Clouds - GCP: BigQuery, Datalab, Datastudio, Al Platform,	••••
Clouds - AWS: S3, AWS Sagemaker	••••
Interactive Dashboard:	•

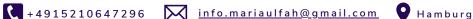
Plotly, Dash, ShinyApp.

Git Workflow, KANBAN.

Terminal - iTerm. Command Prompt, Bash.

Deployment: HEROKU

OS: Windows, MacOS - UNIX.







# MARIA ULFAH. M.A.

Data Science Aspirant in Machine Learning, Big Data, Cloud, and Interactive Data Visualization. Years experienced in data-driven projects with a demonstrated history of working in the research industry, government institution, and project management. Skilled in data analytics using R, Python & SQL.

# **WORK EXPERIENCE**

## TRAINEE DATA SCIENTIST

neuefische GmbH - School and Pool for Digital Talent, Hamburg | Feb - April 2021

- Intensive-Coding-Bootcamp in full time 720 hours programming-praxis with development of the series of projects:
  - EDA with Interactive visualization to find a house with the best price according to stakeholder's expectation:
    - https://edakingcounty.herokuapp.com/
  - Fraud Detection Project with Machine Learning Classification Algorithm:
    - https://fraud-detection-thefraudbuster.herokuapp.com/
  - User Segmentation Project: Clustering users' behaviour on the German News sites, "how readers read news".

#### Used Tools:

Python, TensorFlow 2.0, BigQuery, GCP, AWS, NLTK, CNN, SQL, Scikitlearn, Scipy, XGBoost, Prophet, MLflow, GIT Workflow, KANBAN, Plotly, Dash, Google Data Studio, HEROKU, Jupyter Notebook/Lab, Visual Studio Code.

#### INSTRUCTOR FOR DATA MANIPULATION & VISUALIZATION

DTSense Academy, Remote | July 2020 - Jan 2021

- Remotely teaching data manipulation and visualization with R and Python libraries.
- · Structuring course syllabus and modules.
- Writing Data Science Handbook Data Manipulation & Visualizations.
- Organizing online workshops and seminars.
- Contributing to the data science competition (BRI Data Hackathon: Time Series Analysis with Prophet).
- Used Tools:

Python, PIP, Anaconda, Jupyterlab, Pandas, NumPy, Matplotlib, Seaborn, Plotly, Dash, R, ggplot2, tidyverse, dplyr, Rtweet

# RESEARCH ASSISTANT AT PROJECT: "POLITICAL ECONOMY & POWER SHARING IN THE POST-CONFLICT AREAS"

German Institute of Global and Area Studies (GIGA), Hamburg | Apr 2018 - May 2020

- Quantitative analysis on the surveys and government datasets.
- Qualitative research on the relevant literature.
- Building research networks in preparation for overseas field research.
- Used tools:

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R (RStudio, tidyverse, dplyr, ggplot2) and Excel.

# **CERTIFICATES**

- Data Scientist with R-Track | Datacamp https://bit.ly/31SI0wE
- Data Analyst with R-Track | Datacamp https://bit.ly/2HcQkhb
- Analyzing Social Media Data in Python | Datacamp | shorturl.at/biQ39
- Python 3 Tutorial Course | SoloLearn https://www.sololearn.com/Certificate/1 073-7546010/pdf/

# WEBINARS/WORKSHOPS

- Participant at a Full Day Workshop for Time Series Analysis with Prophet | Bank BRI Indonesia | Feb 2021
- Speaker at Webinar: "Data Manipulation using tidyverse" | DTSense Academy | Nov 2020
- Speaker at Webinar: "Introduction to R for Data Analysis in Social Research" | DTSense Academy | Oct 2020
- Participant at a Full Day Workshop for Data Manipulation with tidyverse and dplyr | GIGA Hamburg | Sept 2018
- Participant at 2 Days Workshop for Data Visualization with ggplot2 and Shinyapps | GIGA Hamburg | June 2018

#### LANGUAGES

- Indonesian Native
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- English Fluent
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- German Intermediate
- Arabic Intermediate
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# **HOBBIES**



Aerobic



Watching Movies





Traveling





+4915210647296 info.mariaulfah@gmail.com



# WORK EXPERIENCE

## **COORDINATOR FOR DATA & INFORMATION**

General Consulate of The Republic of Indonesia Hamburg | March 2018 - June 2019

- Managing the data of Indonesian Diaspora in Northern Germany.
- Posting and updating the information on CMS Website & Facebook fan
- Organizing the Indonesian General Election based in Hamburg.
- Reporting and visualizing the outcomes of the Indonesian General
- Used tools: R (RStudio, tidyverse, dplyr, ggplot2) and Excel.

## **INTERNSHIP**

German Institute of Global and Area Studies (GIGA), Hamburg | Jan 2018 -March 2018

- Proofreading research papers chosen for publications in the institute's Journal of Current Southeast Asian Affairs.
- Summarizing the articles and documents written in Bahasa Indonesia and translated them into English.
- Used tools: MS Word, MS Excel, MS, Outlook, Powerpoint,

## PROJECT CONTROL & ANALYST | PMO DEPARTMENT

PT. Aetra Air Jakarta, Indonesia | August 2015 - July 2016

- Analyzing the data of weekly progress from the company's projects.
- Presenting the results of the analysis to the project managers and stakeholders.
- Used tools:

Project Management Software (DCOMonicon) and Excel.

### **INTERNSHIP**

Ministry of Foreign Affairs of the Republic of Indonesia | Oct 2014 - Dec 2014

- Managing the contacts (Email, Telephone) with the embassies of West European countries based in Jakarta, Indonesia.
- Organizing the meetings and events established by the institution.

# **EDUCATION**

# M.A. SOUTHEAST ASIAN STUDIES

Faculty of Humanities, Universität Hamburg - Germany | 2016 - 2019

Concentration: Austronesian, Cultural Anthropology, Migration, Politics Thesis: Political Clientelism of Ulama (Muslim Clerics) in the 2017 Aceh Gubernatorial Election.

## **B.A. INTERNATIONAL RELATIONS**

Faculty of Social and Political Sciences, UIN Jakarta - Indonesia | 2011 - 2015

Concentration: International Political Economy, Social Statistics, Strategic Conflict Thesis: The Rationalities of European Union's Economic Sanction toward Bashar Al-Assad's Regime in 2011.