



+4915210647296



info.mariaulfah@gmail.com



HAMBURG

# 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, Scikit-learn, 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:**  
R (RStudio, tidyverse, dplyr, ggplot2) and Excel.

## WEBSITES



<https://mariaulf4h.github.io/>



[linkedin.com/in/mariaulfah](https://www.linkedin.com/in/mariaulfah)



@mariaulf4h



@mariaulfah



[datacamp.com/profile/mariaulfah](https://datacamp.com/profile/mariaulfah)

## TECH-SKILLS

Programming languages:  
Python, R, SQL

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Data Science tools - Python:  
NumPy, Pandas,  
Matplotlib, Seaborn

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Data Science tools - R:  
tidyverse, dplyr, ggplot2.

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ML & Deep Learning tools:  
TensorFlow 2.0, Scikit-learn,  
Scipy, XGBoost, MLflow.

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NLP: NLTK

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Times Series: Prophet

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Clouds - GCP:  
BigQuery, Datalab,  
Datastudio, AI Platform,

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Clouds - AWS:  
S3, AWS Sagemaker

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Interactive Dashboard:  
Plotly, Dash, ShinyApp.

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Git Workflow, KANBAN.

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OS: Windows, MacOS - UNIX.

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Terminal - iTerm,  
Command Prompt, Bash.

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Deployment: HEROKU

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## CERTIFICATES

- Data Scientist with R-Track | Datacamp  
<https://bit.ly/31SI0wE>
- Data Analyst with R-Track | Datacamp  
<https://bit.ly/2HcQkhh>
- Analyzing Social Media Data in Python | Datacamp | [shorturl.at/biQ39](https://shorturl.at/biQ39)
- Python 3 Tutorial Course | SoloLearn  
<https://www.sololearn.com/Certificate/1073-7546010/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 ●●●●●
- English - Fluent ●●●●●
- German - Intermediate ●●●●●
- Arabic - Intermediate ●●●●●

## HOBBIES



Aerobic



Watching Movies



Cooking



Traveling



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HAMBURG

## 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 page
- Organizing the Indonesian General Election based in Hamburg
- Reporting and visualizing the outcomes of the Indonesian General Election
- **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.