

## Maria Ulfah, M.A.

Hamburg • [mariaulf4h.github.io](https://mariaulf4h.github.io) • info.mariaulfah@gmail.com • +49 1781980320 | +49 15210647296

### Working Experiences

#### RTL Deutschland

##### Data Analyst/Scientist

Hamburg, Germany  
August 2021 – Present

Full time Data Analyst/Scientist position in HR-Analytics Team with range of tasks:

- Transforming the data using Python programming.
- Designing data models for analytic purposes and building the Database using SQLite and BigQuery.
- Forecasting the employees attendance at the office (Time Series Analysis) using the sensor data.
- Text Analysis of the employees survey using Natural Language Processing (NLP).
- Implementing Machine Learning Algorithms for Clustering and Classification Analysis, e.g. Matching algorithms for the employees learning programs; analyzing the employees turnover.
- Working closely with the stakeholders and product owners in defining the project's KPIs and communicating the findings of the analysis.
- Making the results of analysis accessible for wider audiences through interactive Power BI Dashboard (Power BI Desktop and Power BI Service).
- Agile working with Scrum (Jira) and regular team retrospective once a month.
- **Tech stacks:** Python, GCP, dbt, Power BI, Scikit-learn, NLTK, spaCy, Bert, Gensim, fbprophet, LSTM, Google API Distance Matrix, SAP, SQL, Visual Studio Code, Jira, GIT Workflow, Kanban, Excel, Miro.

#### NEUEFISCHE GmbH

##### Trainee Data Scientist

Hamburg, Germany  
February 2021 – April 2021

Intensive-Coding-Bootcamp in full time 720 hours programming-praxis with development of the series of projects:

- Exploratory Data Analysis (EDA) with Interactive Data Visualization to find a house with the best price according to stakeholder's expectation: <https://github.com/mariaulf4h/EDA-KingCounty-Houses>
- Fraud Detection Project using Machine Learning Classification Algorithm: <https://github.com/mariaulf4h/dash-fraud-detection>
- User Segmentation Project: Clustering users' behavior on the German News sites, "*how readers read news*". This project was using the Big-Data (over 100 million number of observations) in collaboration with Schickler <https://www.schickler.de/>
- **Tech stacks:** Python, Google Cloud Platform (GCP), GIT Workflow, Scikit-learn, Scipy, fbprophet, Tensorflow 2.0, NLTK, KANBAN, Plotly, Dash, Google Data Studio, HEROKU, Visual Studio Codes.

#### DTSense

##### Volunteer Data Analysis Instructor

Online  
July 2020 – January 2021

Remotely coaching the Indonesian students to learn programming for data analysis:

- Teaching the fundamentals of Python/R programming and libraries for data analysis.
- Structuring the Syllabus & writing the modules for beginners.
- Organizing online workshops and seminars about Data Analytics/Data Science topics.
- Participating in Data Science competition held by one of the largest banks in Indonesia "BRI Data Hackathon: Time Series Analysis with FB-Prophet"
- **Tech stacks:** Python (Pandas, NumPy, Matplotlib, Seaborn, Plotly, Dash), R (Tidyverse, ggplot2).

#### GIGA (GERMAN INSTITUTE OF GLOBAL AND AREA STUDIES)

##### Research Assistant

Hamburg, Germany  
April 2018 - May 2020

Contributing as the Research Assistant at the research project: "Political economy & power Sharing in the post-conflict areas" with range of tasks:

- Collecting & Analyzing quantitative data based on the NGO's surveys and the results of parliamentary and presidential elections.
- Establishing qualitative research based on academic literature, news, and government websites.

- Building research networks through the contacts with the local NGOs and local government institutions in preparation for the overseas field research.
- Participating in a series of workshops for implementing R programming in social science research.
- **Tech stacks:** Excel, R (Tidyverse, ggplot2)

## **GENERAL CONSULATE OF THE REPUBLIC OF INDONESIA**

### **Data Coordinator**

Hamburg, Germany  
March 2018 – June 2019

### **The Committee of Indonesian General Election (in Overseas)**

- Managing the administrative data of the Indonesian citizens living in the area of North-Germany (Hamburg, Schleswig-Holstein, Niedersachsen) this included: data collection, data cleaning, data reporting.
- Escalating the information about the General Election through Social Media and Websites using Data Visualization techniques.
- Reporting the result of the General Elections to the committee at the Headquarter Jakarta.
- **Tech stacks:** Excel, R, CMS, Facebook, Instagram.

## **GIGA (GERMAN INSTITUTE OF GLOBAL AND AREA STUDIES)**

### **Internship at the Institute of Asian Studies**

Hamburg, Germany  
January 2018 - March 2018

Compulsory internship in preparation for Master thesis with range of tasks:

- Conducting individual research for MA thesis.
- Proofreading research papers chosen for publications in the institute's Journal of Current Southeast Asian Affairs.
- Participating in a series of workshops and organizational meetings.
- **Tech stacks:** R Programming, Microsoft Office (Excel, Words, PPT), Outlook.

## **PT. AETRA AIR JAKARTA**

### **Project Control | Department of Project Management Office**

Jakarta, Indonesia  
July 2015 – July 2016

Controlling the construction projects of water supply in Jakarta with range of tasks:

- Collecting the reports from the field project coordinators
- Analyzing the progress of each project using the Project Management Software: DCOMonicon
- Presenting the result of analysis to the Project Managers and other stakeholders.
- **Tech stacks:** Excels, DCOMonicon, PPT.

## **MINISTRY OF FOREIGN AFFAIRS OF THE REPUBLIC OF INDONESIA**

### **Internship at the Directorate for West European Affair**

Jakarta, Indonesia  
October 2014 – December 2014

Compulsory internship in preparation for Bachelor thesis with range of tasks:

- Performing individual research for Bachelor thesis
- Managing the contacts with the embassies of west European countries in Jakarta
- Assisting the other staff in organizing the diplomatic events in Jakarta

## **Educations**

### **HAMBURG UNIVERSITY**

MA, Regional Study of Southeast Asia. GPA: 1.60 out of 1.00  
Thesis: The Political Clientelism in the Post-Conflict Area in Aceh region.  
Relevant Coursework: Social Statistics, Politics, Migration, Anthropology.

Hamburg, Germany  
November 2019

### **UIN JAKARTA**

BA, International Relations. GPA: 3.60 out of 4.00  
Thesis: The European Union Sanction toward the Syrian Government  
Relevant Coursework: Social Statistics, Politics, Economy, Diplomacy.

Jakarta, Indonesia  
June 2015

## Certificates

**dbt Fundamental Course** – April 2023

(dbt credentials: <https://www.credential.net/5d9751ff-0c57-4874-85b3-985409686286#gs.w64jqu>)

**Udacity Nanodegree - Intro Machine Learning with Tensorflow 2.0** – September 2022

**DataCamp - Data Analyst with R-Track** – July 2019

**DataCamp - Data Scientist with R-Track** – September 2019

**DataCamp - Analyzing Social Media Data in Python** – May 2020

(link to certificates: [mariaulf4h.github.io/assets/docs/Maria's\\_Certificates.pdf](https://mariaulf4h.github.io/assets/docs/Maria's_Certificates.pdf))

## Leadership and Activities

### INDONESIAN STUDENT ASSOCIATIONS

Hamburg, Germany

#### Coordinator for Research & Development

March 2017 - March 2018

- Conducting surveys among Indonesian students about their interests, problems, and difficulties in their studies.
- Organizing series of Focus-Group-Discussions & sharing sessions on the common topics indicated from the surveys.
- Publishing the articles related to the study and living in Germany on the organization's website & social media.

### INTERNATIONAL CONFERENCE OF INTEGRATED INTELLECTUAL COMMUNITY (ICONIC)

#### Committee for Food & Services

Hamburg, Germany – October 2016

- Managing the venue, equipment, and catering for all conference participants.
- Ensuring the food quality for the VVIP Guests.
- Liaison Officer at the VVIP Room for the 3rd Former President of Indonesia, Prof. Bj. Habibie.

### ASEAN YOUTH LEADER ASSOCIATION (AYLA)

Laguna, The Philippines

#### ASEAN Info-Cultural Exposure Camp

June 2015

- As an Indonesian representative in the annual event held by AYLA. The event was aimed to build networking among students across ASEAN countries to promote peace and to introduce the diversity of Southeast Asian cultures, languages, and religions.

### KOREA UNIVERSITY

Seoul, South Korea

#### Diplomatic Course, Model United Nations

January 2014

- Diplomatic Course established by Korea University for international students majoring in International Affairs and Politics. The course included the simulation of the United Nations General Assembly where each participant acted as a representative of UN member states.

### STUDENT EXECUTIVE BOARD

Jakarta, Indonesia

#### Coordinator for Research & Development

January 2013 - December 2013

- Facilitating the academic and non-academic activities for students based on their interests, and organizing a series of Forum-Group-Discussions & Workshops with key-note speakers from professionals and government institutions.

## Skills & Interests

**Tech-Stacks:** Python, Google Cloud Platform, Power BI, Scikit-Learn, dbt, Tensorflow 2.0, NLTK, BERT, spaCy, Jira, BigQuery, SQLite, Google Data Studio, Git Workflow, LSTM, fbprophet, Miro Board, KANBAN.

**Language:** English (Professional Working Proficiency), German (Professional Working Proficiency), Arabic (Limited Working Proficiency), Indonesian (Native).

**Interests:** Public-Speaking, Cycling, Gardening, Cooking, Learning.