+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.

WEBSITES

- https://mariaulf4h.github.io/
- linkedin.com/in/mariaulfah
- @mariaulf4h   k @mariaulfah
- datacamp.com/profile/mariaulfah

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, AI Platform,   ●●●●○○

Clouds - AWS:
S3, AWS Sagemaker   ●●○○○○

Interactive Dashboard:
Plotly, Dash, ShinyApp.   ●●●●○○

Git Workflow, KANBAN.   ●●●●○○

OS: Windows, MacOS - UNIX.   ●●●●○○

Terminal - iTerm,
Command Prompt, Bash.   ●●●○○○

Deployment: HEROKU   ●●●●○○

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.

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/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

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.