

ZERTIFIKAT

Hiermit bestätigen wir, dass

Maria Ulfah

das Intensivprogramm

Aus-/Weiterbildung zum Data Scientist

mit 540 Stunden Programmierpraxis

(entspricht 720 Unterrichtseinheiten)

erfolgreich absolviert hat.



Dalia Das, Founder & CEO



Dr. Tereza Iofciu, Head Coach

01.02.2021 — 27.04.2021
Hamburg, den 27.04.2021

In Kooperation mit:

ABOUT YOU

COYO

Zertifiziert durch:



Ausbildungsinhalte

Die Teilnehmer*innen haben in 720 Unterrichtseinheiten folgende Inhalte gelernt, diskutiert und in unterschiedlichen Aufgaben und Projekten vertieft:

Programming & Database

Python

- Pandas
- Numpy
- Functional Programming
- Scikit-Learn
- TensorFlow/Keras

Unix

- Filesystem manipulations

SQL

AWS

- IAM
- SageMaker
- EC2
- S3

Google Cloud

- Big Query
- Google Notebooks

Exploratory Data Analysis (EDA) & Statistics

Data preprocessing

- Sklearn Pipelines
- Pandas DataFrame

Data Analysis

- Distributional analysis
- General statistics

Data Visualization

- Boxplots
- Scatter plots
- Geo visualizations

Data Science Portfolio Projects

Project 1

- Exploratory Data Analysis

Project 2

- Predictive Modeling

Final Project

- Capstone (4 weeks)

Machine Learning

Regression & Classification

Machine Learning Algorithms

- OLS-based models
- Logistic Regression
- Decision Trees
- Random Forests
- Naive Bayes
- KNN
- SVM
- K-means
- PCA
- Semi-supervised models
- Time Series models
- NLP

Evaluation & Performance metrics

- Decision Matrix
- Model interpretability

Model tuning

- Bias-Variance Tradeoff
- Regularization
- Cross-validation

Optimization

- Gradient Descent
- Cost functions

Deep Learning

- ANN
- CNN

Machine Learning Pipelines

- MLflow

Collaborative Working & Social Learning

Pair Coding

- Driver & Navigator

Agile Workflow

- Daily Stand-Ups
- Git Project Board
- Kanban

Daily Class Review

- Team work & Self-organization skills

Group Work, Individual Exercises, Reversed Classroom

- Presentations from students

Git-Workflow

- clone
- fork
- code reviews
- merging

Student 1:1

- Spot checks with instructional team

Communication w/ Stakeholders

Business presentation

- Non-technical stakeholders

Data Science Lifecycle presentation

- Technical stakeholders

Visualization

- Matplotlib
- Seaborn
- Dash/Plotly
- Altair
- Google Data Studio

Stakeholder Review

- Compact & time-critical project alignment

ZERTIFIKAT

Maria Ulfah

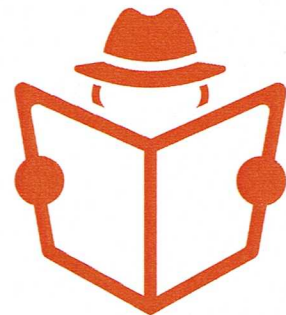
PROJEKT:

How users read news sites

Clustering the users of news sites based on user tracking and article data

News portals publish a large number of articles of different types and on different topics. By implementing tracking tools, publishers collect a lot of data about individual pageviews, which can be used to research the performance of articles and the preferences of different users.

Interesting insights were generated on the distribution of pageviews over time, the performance of different articles, and preferences of different readers. A dashboard was deployed to visualize the properties of the identified clusters.



TECH-STACK:

Clouds (Google Data Studio) / BigQuery / SQL / AI Platform / Vaex / Pandas / Numpy / StandardScaler / PCA / Scikit-learn / K-Means / DBScan / Dash / Plotly / Heroku / Unix / KANBAN / Git

ABSCHLUSSPROJEKT "DIGITALES GESELLENSTÜCK"

In Kooperation mit: **ABOUT YOU** 

Zertifiziert durch:





Very friendly, communicative,
patient, helpful and personable.



Very humble and yet knows her stuff.
Likes to help others.

you are a great girl!
I think you underestimate yourself -
more courage!

"Excellent tech skills.
Hands on mentality. Very reliable.
Eager to deliver the best results.
An awesome person to work with."

you make awesome dashboards!

Your dashboards are amazing,
and you are great to work
and to communicate with.

We unfortunately did not have
the possibility to work together.
I would really have enjoyed learning
from your plotting & modeling abilities :)

You are like a quiet force!
The things you do when you set
your mind to them are amazing!
Don't forget to brag more!

MARIA

You are really good at
learning things on
your own and impressively
talented in visualizations.

amazing set of skills and knowledge.
really cool pair programming with you

It was always a pleasure working with you
in the pairing sessions,
I felt we were on the same level with our understanding
and thus could help each other out quite a lot.
Since the beginning you always had nice visualizations,
so i'm looking forward so seeing cool stuff from you! (nico)

The strong and silent type :-)
We didn't meet much but
I always felt that you understood everything.

don't work too hard
and forget about yourself

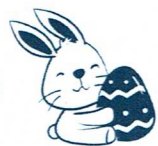
Unfortunately I never got to work with her.
But that is not necessary to understand
what a nice and smart person she is :)

Feb - Apr 2021

- Carla
- Carlos
- Davain
- Eldin
- Hassan
- Jonathan
- Kathrin
- Maria
- Matthias
- Max
- Mena
- Nico
- Nicolai
- Paul
- Saša
- Sebastian
- Sina



Larissa
Tereza





SERTIFIKAT

DIBERIKAN KEPADA

MARIA ULFAH

Atas partisipasinya dalam BRI Data Hackathon 2021
Jakarta, 17 Maret 2021

DANAR WIDYANTORO

Executive Vice President Enterprise Data Management Division





#102,360

CERTIFICATE NUMBER

STATEMENT OF ACCOMPLISHMENT

HAS BEEN AWARDED TO

Maria Ulfah

FOR SUCCESSFULLY COMPLETING

Data Scientist with R Track



DataCamp

STATEMENT OF ACCOMPLISHMENT

#13311754

HAS BEEN AWARDED TO

Maria Ulfah

FOR SUCCESSFULLY COMPLETING

Analyzing Social Media Data in Python

COMPLETED ON

May 14, 2020



DataCamp





#83,312

CERTIFICATE NUMBER

STATEMENT OF ACCOMPLISHMENT

HAS BEEN AWARDED TO

Maria Ulfah

FOR SUCCESSFULLY COMPLETING

Data Analyst with R Track



DataCamp