

KONTRAK BELAJAR

MMS2435 PRAKTIKUM PENGANTAR DATA MINING

Dosen Pengampu: Dr. Adhitya Ronnie Effendie, S.Si., M.Si., M.Sc
Mohamad Fahruli Wahyujati, S.Si., M.Si.

A. ASISTEN PRAKTIKUM

Kelas A

Mohammad Dafi Nazwa Aulia (NIM 21/475207/PA/20547)

Gian Luky Saputra (NIM 21/474481/PA/20487)

Kelas B

Raditya Arviandana (NIM 21/477117/PA/20632)

Nabila Iffa Amanina (NIM 21/480996/PA/20924)

B. JADWAL PRAKTIKUM

Hari : Jumat

Waktu : 09.30 s.d. 11.10 WIB

Tempat : Daring via Zoom

Link :

(Kelas A)

<https://ugm-id.zoom.us/j/3329238926?pwd=OE0ycXhTUTFOMU5FZk5vR2JzQmw2dz09&omn=98566168088>

Meeting ID : 332 923 8926

Passcode : Pvmelq

(Kelas B)

<https://ugm-id.zoom.us/j/95368216633?pwd=Y1V6OGZLbUc3MEdTbTlZTUpiMVA2Zz09>

C. PERATURAN

- Praktikan diharapkan untuk join zoom **tepat waktu**.
- Presensi akan dibagikan di akhir sesi praktikum, serta asisten akan melakukan *screenshot* **sewaktu-waktu** di tengah praktikum berlangsung dan akan dicocokkan dengan presensi kehadiran. Jika praktikan melakukan presensi, namun namanya tidak terdapat di *screenshot* maka dianggap **tidak hadir dan akan berpengaruh ke nilai**.
- Selama praktikum berlangsung praktikan **diwajibkan** untuk **oncamera** serta **memperhatikan** praktikum dengan baik.

D. LINIMASA PRAKTIKUM

Pertemuan	Tanggal	Agenda
1	1 Maret 2024	<ul style="list-style-type: none">• Introduction to Python• Introduction to Deep Learning
2	8 Maret 2024	<ul style="list-style-type: none">• Statistics Descriptive• Data Exploration and Visualization• Data Preprocessing (Cleaning) Part 1
3	15 Maret 2024	<ul style="list-style-type: none">• Data Preprocessing (Cleaning) Part 2• Data Preprocessing (Feature Engineering) Part 3• Data Preprocessing (Transformation) Part 4• Data Preprocessing (Dimensionality Reduction) Part 5
4	22 Maret 2024	Associaton Rule for Market Basket Analysis <ul style="list-style-type: none">• Frequent Pattern Growth• Apriori• ASSIGNMENT 1 (Data Preprocessing and Association Rule)
29 Maret 2024		LIBUR JUMAT AGUNG
5	30 Maret 2024 (Kelas Pengganti)	Machine Learning Supervised Learning for Classification (Part 1) <ul style="list-style-type: none">• Decision Tree• Random Forest• Support Vector Machine
6	5 April 2024	Machine Learning Supervised Learning for Classification (Part 2) <ul style="list-style-type: none">• K-Nearest Neighbor• Naive Bayes• Logistic Regression• ASSIGNMENT 2 (Supervised Learning Classification)
22 April s.d. 3 Mei 2024		Ujian Tengah Semester Genap 2023/2024 (Laporan Praktikum UTS)
7	10 Mei 2024	Machine Learning Supervised Learning for Regression <ul style="list-style-type: none">• Decision Tree• Random Forest• Support Vector Machine

		<ul style="list-style-type: none"> • K-Nearest Neighbor
8	17 Mei 2024	Machine Learning Unsupervised Learning and Reinforcement Learning (Part 1) <ul style="list-style-type: none"> • K-Means • K-Median • K-Medoid
9	24 Mei 2024	Machine Learning Unsupervised Learning and Reinforcement Learning (Part 2) <ul style="list-style-type: none"> • DBSCAN • Fuzzy C-Means • Gaussian Mixture Model • Reinforcement Learning
10	31 Mei 2024	<ul style="list-style-type: none"> • Hyperparameter Tuning Optimization • Ensemble Stacking Machine Learning • Assignment 3 (Supervised Learning Regression and Reinforcement Learning)
11	7 Juni 2024	<ul style="list-style-type: none"> • Introduction to Natural Language Processing (Data Preprocessing and Modelling)
12	14 Juni 2024	RESPONSI
19 s.d. 28 Juni 2024		Ujian Akhir Semester Genap 2023/2024

*Materi dapat berubah sewaktu-waktu

E. KOMPONEN PENILAIAN

Tugas (Notebook dan Laporan)	: 30%
Laporan Praktikum UTS	: 35%
Responsi	: 35%