

Dosen : Abdussomad  
Matakuliah : Fundamental Data Analyst  
SKS : 3  
Kelas : 19.3C.15  
Jumlah Mahasiswa : 33

| Pertemuan | Ruangan | Tanggal           | Bahan Kajian                                                                                                       | Berita Acara Pengajaran                                                                                                                                                                                                                                                                                                                                                                                        | Kehadiran                                                                 |
|-----------|---------|-------------------|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| 01        | 201-e6  | 23 September 2024 | 1 Konsep machine learning 2 Dataset 3 Atribut machine learning                                                     | membahasa terkait pengenalan machine learning pengenalan profesi data analyst data scientist dataset sumber data atribut data                                                                                                                                                                                                                                                                                  | Tepat Waktu<br>Jadwal: 19:30-21:30<br>Masuk: 19:31:20<br>Keluar: 21:17:03 |
| 02        | 201-e6  | 30 September 2024 | 1 Framework Cross Industry Standard Process for Data Mining CRISP-DM 2 Baseline model 3 Overfitting 4 underfitting | 1 framework cross industry standard process for data mining crisp-dm 2 baseline model 3 overfitting 4 underfitting                                                                                                                                                                                                                                                                                             | Tepat Waktu<br>Jadwal: 19:30-21:30<br>Masuk: 19:37:41<br>Keluar: 21:15:43 |
| 03        | 201-e6  | 7 Oktober 2024    | Pemahaman Konsep 1 Training Validation dan Testing Dataset 2 Preprocessing                                         | ringkasan alur gambar 1 full dataset dataset yang akan digunakan untuk melatih model machine learning training set model dilatih menggunakan data ini validation set model diuji pada data ini selama pelatihan untuk mengatur hyperparameters dan menghindari overfitting testing set model diuji pada data ini setelah pelatihan dan tuning selesai untuk menilai kinerjanya pada data yang benar-benar baru | Tepat Waktu<br>Jadwal: 19:30-21:30<br>Masuk: 19:35:45<br>Keluar: 21:15:17 |
| 04        | 201-e6  | 14 Oktober 2024   | Pengenalan supervised learning Klasifikasi                                                                         | penyampaian materi terkait 1 supervised learning decision tree 2 evaluasi model decision tree 3 accuracy 4 precision 5 confusion matrix 6 classification report                                                                                                                                                                                                                                                | Tepat Waktu<br>Jadwal: 19:30-21:30<br>Masuk: 19:31:19<br>Keluar: 21:17:12 |
| 05        | 201-e6  | 21 Oktober 2024   | Pengenalan supervised learning Regresi Linier                                                                      | belajar terkait materi 1 supervised learning linearregression 2 crisp-dm model linearregression 3 evaluasi mean squared error mse root mean squared error rmse r-squared r mean absolute percentage error mape                                                                                                                                                                                                 | Tepat Waktu<br>Jadwal: 19:30-21:30<br>Masuk: 19:31:24<br>Keluar: 21:17:14 |

| Pertemuan | Ruangan | Tanggal          | Bahan Kajian                                                                                                                                                  | Berita Acara Pengajaran                                                                                                                                                                                                                                                      | Kehadiran                                                                           |
|-----------|---------|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 06        | 201-e6  | 28 Oktober 2024  | Pengenalan unsupervised learning clustering                                                                                                                   | pembahasan materi 1 unsupervised learning clustering 2 crisp-dm model kmeans 3 evaluasi silhouette score davies-bouldin index calinski-harabasz index adjusted rand index normalized mutual information scatter plot visualisasi                                             | Tepat Waktu<br>Jadwal: 19:30-21:30<br>Masuk: 19:36:18<br>Keluar: 21:18:16           |
| 07        | 201-e6  | 4 November 2024  | Pengenalan unsupervised learning                                                                                                                              | penjelasan materi minggu ke 7 unsupervised learning association rule crisp-dm model apriori evaluasi antecedents a consequents b support confidence support dan confidence lift leverage conviction leverage dan conviction                                                  | Tepat Waktu<br>Jadwal: 19:30-21:30<br>Masuk: 19:31:51<br>Keluar: 21:15:49           |
| 08        | 01-e6   | 11 November 2024 | (UTS)                                                                                                                                                         | (UTS)                                                                                                                                                                                                                                                                        | Tepat Waktu<br>Jadwal: 19:30-21:30<br>Masuk: 19:36:54<br>Keluar: 21:15:50           |
| 09        | 201-e6  | 18 November 2024 | 1 Evaluasi model Regresi 2 Evaluasi model Classification 3 Evaluasi model Clustering 4 Evaluasi Model Association rule 5 Evaluasi model dimensional reduction | membahas tentang dimensional reduction dan detail evaluasi model evaluasi regression - model linier regresi evaluasi classification - model decision tree evaluasi clustering - model k-means evaluasi association - model apriori evaluasi dimesional reduction - model pca | Tepat Waktu<br>Jadwal: 19:30-21:30<br>Masuk: 19:37:23<br>Keluar: 21:15:45           |
| 10        | 201-e6  | 25 November 2024 | Mahasiswa dapat mempresentasikan hasil analisis data menggunakan Bahasa Pemrograman Python                                                                    | review terkait evaluasi model decision tree linear regresion k-means association rule                                                                                                                                                                                        | Telat (lewat 15Menit)<br>Jadwal: 19:30-21:30<br>Masuk: 19:51:00<br>Keluar: 21:26:06 |
| 11        | 201-e6  | 2 Desember 2024  | Mahasiswa dapat mempresentasikan hasil analisis data menggunakan Bahasa Pemrograman Python                                                                    | presentasi project fundamental data analyst                                                                                                                                                                                                                                  | Tepat Waktu<br>Jadwal: 19:30-21:30<br>Masuk: 19:42:11<br>Keluar: 21:28:05           |

| <b>Pertemuan</b> | <b>Ruangan</b> | <b>Tanggal</b>   | <b>Bahan Kajian</b>                                                                        | <b>Berita Acara Pengajaran</b>                                   | <b>Kehadiran</b>                                                          |
|------------------|----------------|------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------|---------------------------------------------------------------------------|
| <b>12</b>        | 201-e6         | 9 Desember 2024  | Mahasiswa dapat mempresentasikan hasil analisis data menggunakan Bahasa Pemrograman Python | materi minggu ke 12 presentasi project kelompok 4 dan kelompok 6 | Tepat Waktu<br>Jadwal: 19:30-21:30<br>Masuk: 19:35:21<br>Keluar: 21:16:40 |
| <b>13</b>        | 201-e6         | 16 Desember 2024 | Mahasiswa dapat mempresentasikan hasil analisis data menggunakan Bahasa Pemrograman Python | presentasi project kelompok 5 dan kelompok 3                     | Tepat Waktu<br>Jadwal: 19:30-21:30<br>Masuk: 19:33:41<br>Keluar: 21:16:57 |
| <b>14</b>        | 201-e6         | 6 Januari 2025   | Mahasiswa dapat mempresentasikan hasil analisis data menggunakan Bahasa Pemrograman Python | presentasi project akhir                                         | Tepat Waktu<br>Jadwal: 19:30-21:30<br>Masuk: 19:31:08<br>Keluar: 21:15:51 |
| <b>15</b>        | 201-e6         | 13 Januari 2025  | Mahasiswa dapat mempresentasikan hasil analisis data menggunakan Bahasa Pemrograman Python | presentasi project kelompok dan rekap penilaian                  | Tepat Waktu<br>Jadwal: 19:30-21:30<br>Masuk: 19:31:10<br>Keluar: 21:23:04 |
| <b>16</b>        | 01-e6          | 20 Januari 2025  | (UAS)                                                                                      | (UAS)                                                            | Tepat Waktu<br>Jadwal: 19:30-21:30<br>Masuk: 19:32:16<br>Keluar: 21:20:04 |

**Presensi Mahasiswa**

| No | Nim      | Nama                                     | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | Jumlah |
|----|----------|------------------------------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|--------|
| 1  | 12215049 | rifaldi wanda januar                     | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 15     |
| 2  | 19230001 | moehammad andika andriansyah             | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 0  | 0  | 0  | 1  | 1  | 1  | 1  | 11     |
| 3  | 19230028 | muhammad rafif rahadiwibowo              | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 16     |
| 4  | 19230035 | putri larasati                           | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 15     |
| 5  | 19230051 | sri fuji lestari                         | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 16     |
| 6  | 19230057 | wahyu aulia mahendra                     | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0  | 1  | 1  | 1  | 1  | 1  | 1  | 15     |
| 7  | 19230074 | nazmi abdullah hasan                     | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 16     |
| 8  | 19230079 | budiyansyah                              | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0  | 1  | 1  | 1  | 1  | 1  | 1  | 15     |
| 9  | 19230092 | agip ramadhani                           | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 16     |
| 10 | 19230098 | bisma wade ruapensa                      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 15     |
| 11 | 19230133 | raden fawwazi ikhsan zamir sat jadipoera | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 15     |
| 12 | 19230144 | alip mirajjudin                          | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 16     |
| 13 | 19230146 | pitria patimah                           | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 16     |
| 14 | 19230147 | muhammad raihan syahputra                | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 16     |
| 15 | 19230171 | riani arisandi rahmat                    | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 16     |
| 16 | 19230207 | zaizafun fadiyah                         | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 15     |
| 17 | 19230310 | eri maulana                              | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1  | 0  | 0  | 1  | 0  | 1  | 1  | 12     |
| 18 | 19230316 | erika damai yanti sitopu                 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 15     |
| 19 | 19230351 | eli marliah                              | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 16     |
| 20 | 19230356 | ahmad fariz rustiawan                    | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 16     |
| 21 | 19230572 | nadia salsabila agustin                  | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 14     |
| 22 | 19230613 | muhamad faiz abdulloh                    | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0  | 1  | 0  | 1  | 1  | 1  | 1  | 13     |
| 23 | 19230704 | diaz firgia                              | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 16     |
| 24 | 19230931 | bayu mulyawan muslim                     | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 12     |
| 25 | 19230967 | ilhammuhamada dwidad                     | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 16     |
| 26 | 19231171 | ryan                                     | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 15     |

|    |              |                          |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|----|--------------|--------------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
|    |              | handriansyah             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 27 | 19231180     | fakhry muhardhian irsyad | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 14 |
| 28 | 19231207     | yudis setya pratama      | 1  | 1  | 1  | 0  | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 14 |
| 29 | 19231306     | muhammad hasna fauzi     | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 15 |
| 30 | 19231636     | sevian theo nugraha      | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 0  | 1  | 1  | 0  | 0  | 1  | 1  | 12 |
| 31 | 19231682     | rafael simbolon          | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 15 |
| 32 | 19232174     | bagas adistya            | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 0  | 1  | 1  | 14 |
| 33 | 19232276     | yuriansyah hasan         | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 15 |
|    | Jumlah Hadir |                          | 33 | 32 | 33 | 31 | 33 | 32 | 30 | 33 | 27 | 27 | 31 | 25 | 32 | 23 | 33 | 33 |    |

**Nilai Mahasiswa**

| No | NIM      | NAMA                                     | Presensi | TUGAS | UTS | UAS | GRADE AKHIR |
|----|----------|------------------------------------------|----------|-------|-----|-----|-------------|
| 1  | 12215049 | rifaldi wanda januar                     | 0        | 0     | 0   | 0   | A           |
| 2  | 19230001 | moehammad andika andriansyah             | 0        | 0     | 0   | 0   | B           |
| 3  | 19230028 | muhammad rafif rahadiwibowo              | 0        | 0     | 0   | 0   | A           |
| 4  | 19230035 | putri larasati                           | 0        | 0     | 0   | 0   | A           |
| 5  | 19230051 | sri fuji lestari                         | 0        | 0     | 0   | 0   | A           |
| 6  | 19230057 | wahyu aulia mahendra                     | 0        | 0     | 0   | 0   | A           |
| 7  | 19230074 | nazmi abdullah hasan                     | 0        | 0     | 0   | 0   | A           |
| 8  | 19230079 | budiyansyah                              | 0        | 0     | 0   | 0   | A           |
| 9  | 19230092 | agip ramadhani                           | 0        | 0     | 0   | 0   | A           |
| 10 | 19230098 | bisma wade ruapensa                      | 0        | 0     | 0   | 0   | A           |
| 11 | 19230133 | raden fawwazi ikhsan zamir sat jadipoera | 0        | 0     | 0   | 0   | A           |
| 12 | 19230144 | alip mirajjudin                          | 0        | 0     | 0   | 0   | A           |
| 13 | 19230146 | pitria patimah                           | 0        | 0     | 0   | 0   | A           |
| 14 | 19230147 | muhammad raihan syahputra                | 0        | 0     | 0   | 0   | A           |
| 15 | 19230171 | riani arisandi rahmat                    | 0        | 0     | 0   | 0   | A           |
| 16 | 19230207 | zaizafun fadiyah                         | 0        | 0     | 0   | 0   | A           |
| 17 | 19230310 | eri maulana                              | 0        | 0     | 0   | 0   | B           |
| 18 | 19230316 | erika damai yanti sitopu                 | 0        | 0     | 0   | 0   | A           |
| 19 | 19230351 | eli marliah                              | 0        | 0     | 0   | 0   | A           |
| 20 | 19230356 | ahmad fariz rustiawan                    | 0        | 0     | 0   | 0   | A           |
| 21 | 19230572 | nadia salsabila agustin                  | 0        | 0     | 0   | 0   | A           |
| 22 | 19230613 | muhamad faiz abdulloh                    | 0        | 0     | 0   | 0   | A           |
| 23 | 19230704 | diaz firgia                              | 0        | 0     | 0   | 0   | A           |
| 24 | 19230931 | bayu mulyawan muslim                     | 0        | 0     | 0   | 0   | B           |
| 25 | 19230967 | ilhammuhamadwidad                        | 0        | 0     | 0   | 0   | A           |
| 26 | 19231171 | ryan handriansyah                        | 0        | 0     | 0   | 0   | A           |
| 27 | 19231180 | fakhry muhardhian irsyad                 | 0        | 0     | 0   | 0   | B           |
| 28 | 19231207 | yudis setya pratama                      | 0        | 0     | 0   | 0   | A           |
| 29 | 19231306 | muhammad hasna fauzi                     | 0        | 0     | 0   | 0   | A           |
| 30 | 19231636 | sevian theo nugraha                      | 0        | 0     | 0   | 0   | A           |
| 31 | 19231682 | rafael simbolon                          | 0        | 0     | 0   | 0   | A           |
| 32 | 19232174 | bagas adistya                            | 0        | 0     | 0   | 0   | B           |
| 33 | 19232276 | yuriansyah hasan                         | 0        | 0     | 0   | 0   | A           |