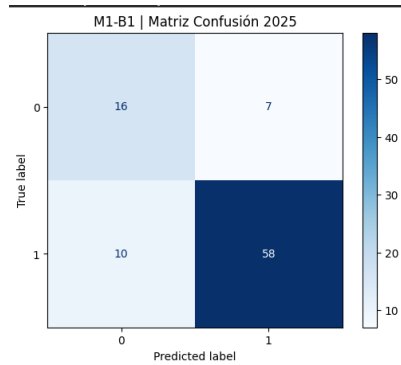
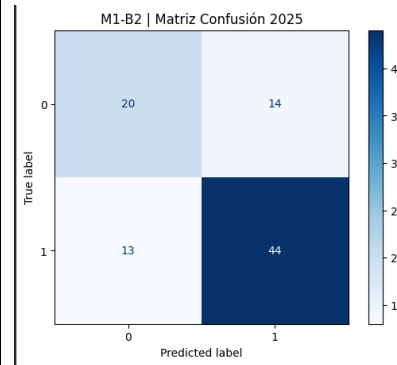


MATRICES DE CONFUSIÓN – REGRESIÓN LOGÍSTICA B1 y B2

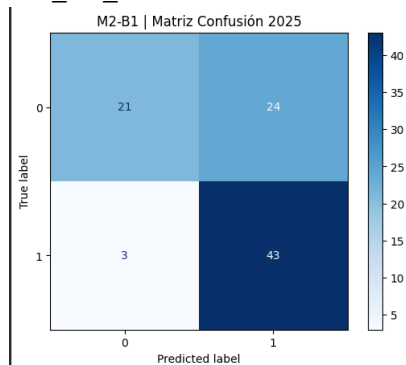
M1_B1_2025



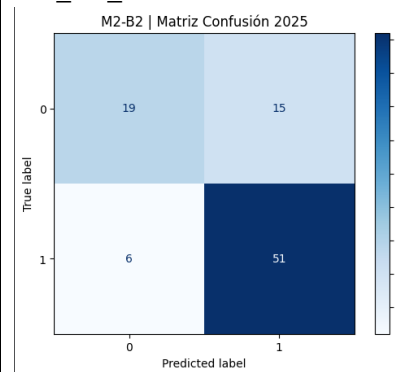
M1_B2_2025



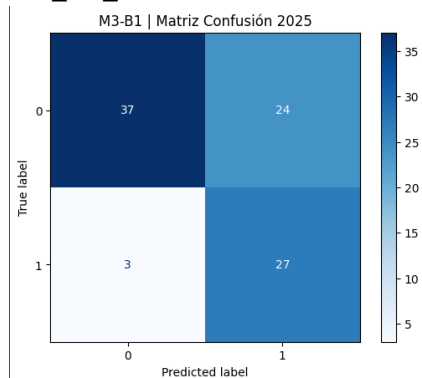
M2_B1_2025



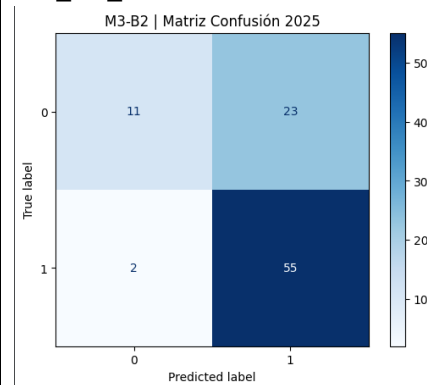
M2_B2_2025



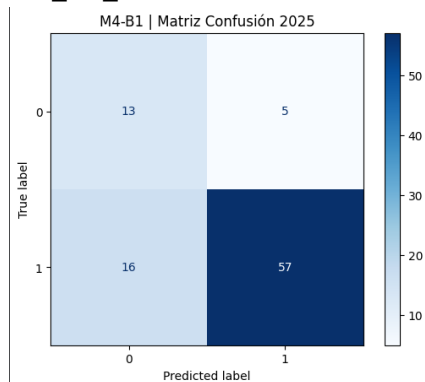
M3_B1_2025



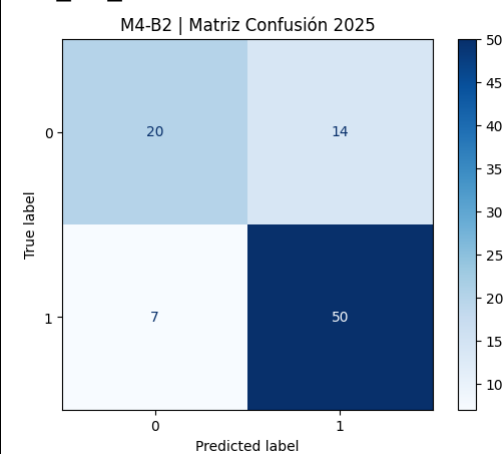
M3_B2_2025



M4_B1_2025

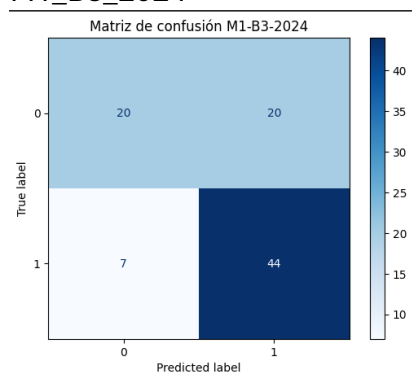


M4_B2_2025

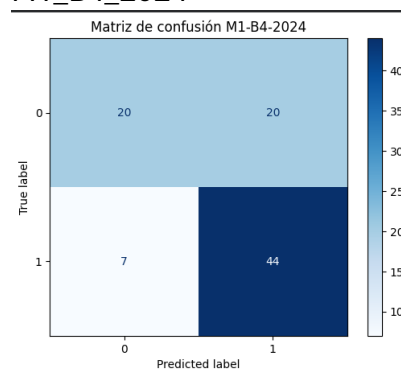


MATRICES DE CONFUSIÓN – REGRESIÓN LOGÍSTICA B3 y B4

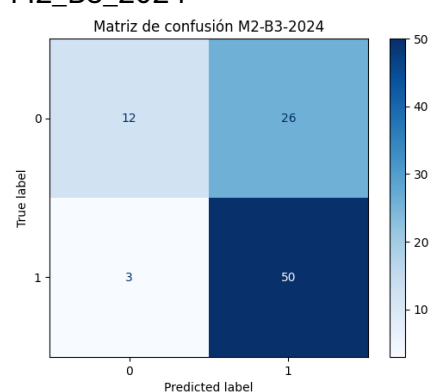
M1_B3_2024



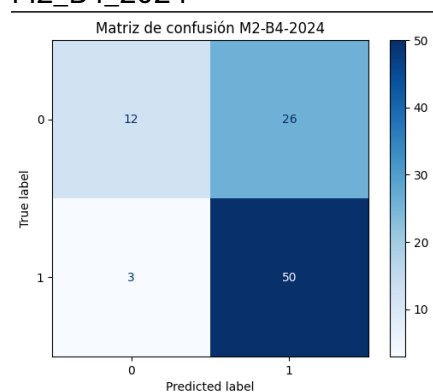
M1_B4_2024



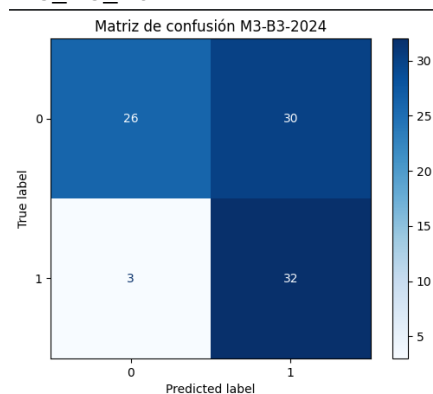
M2_B3_2024



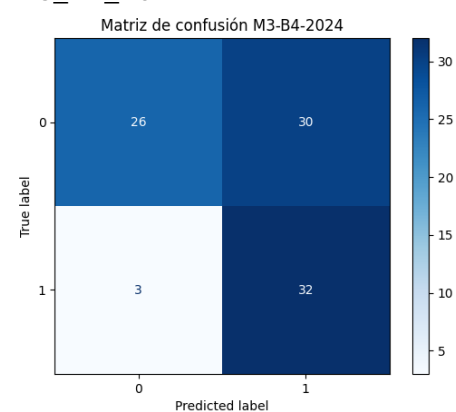
M2_B4_2024



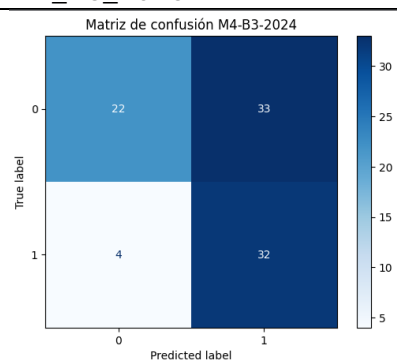
M3_B3_2024



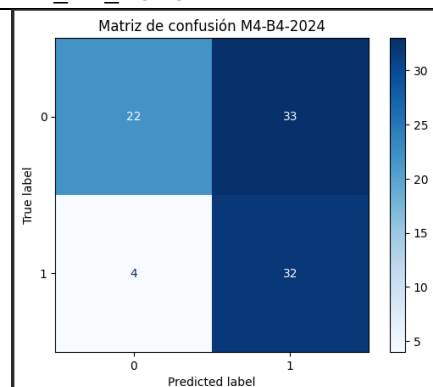
M3_B4_2024



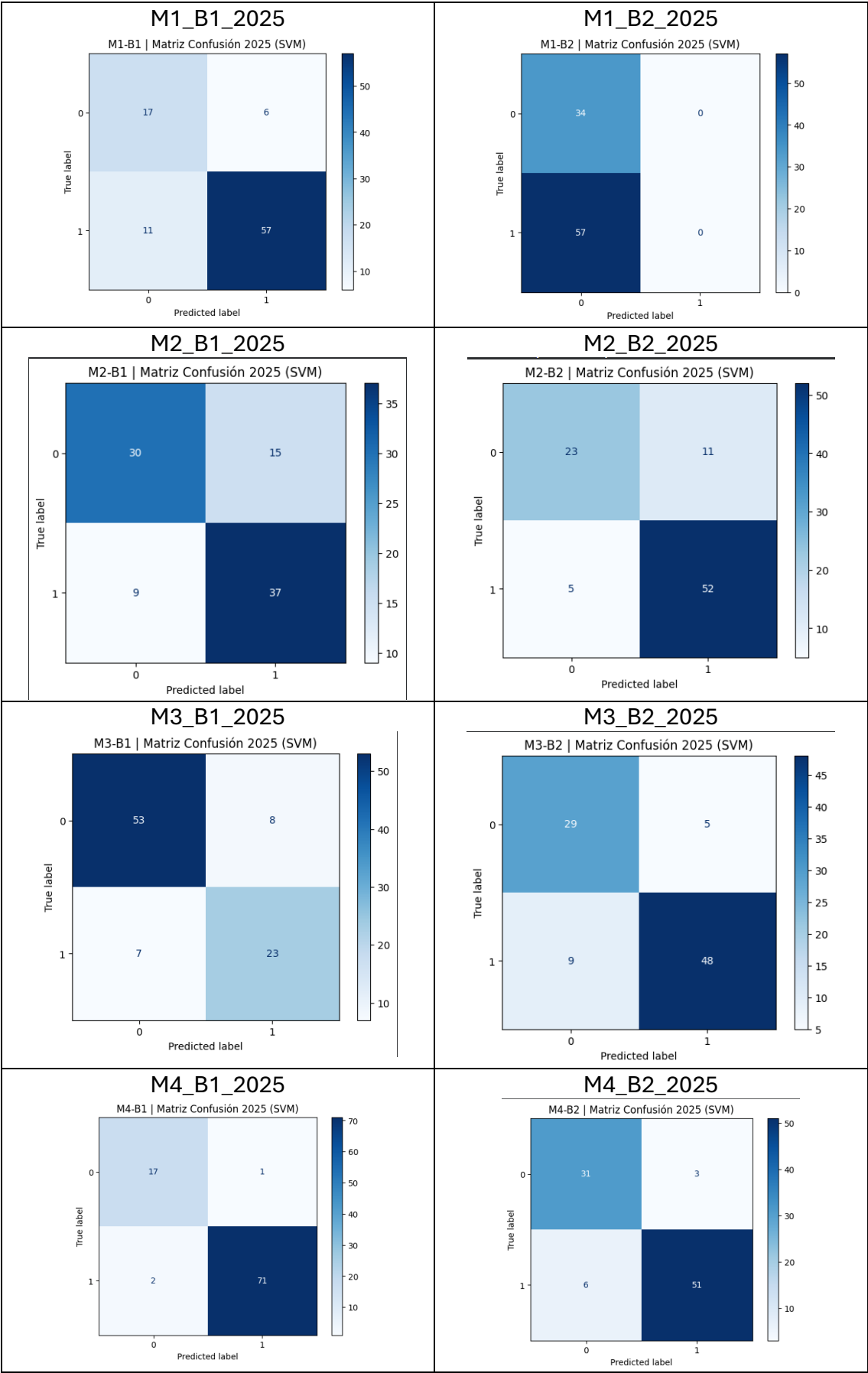
M4_B3_2025



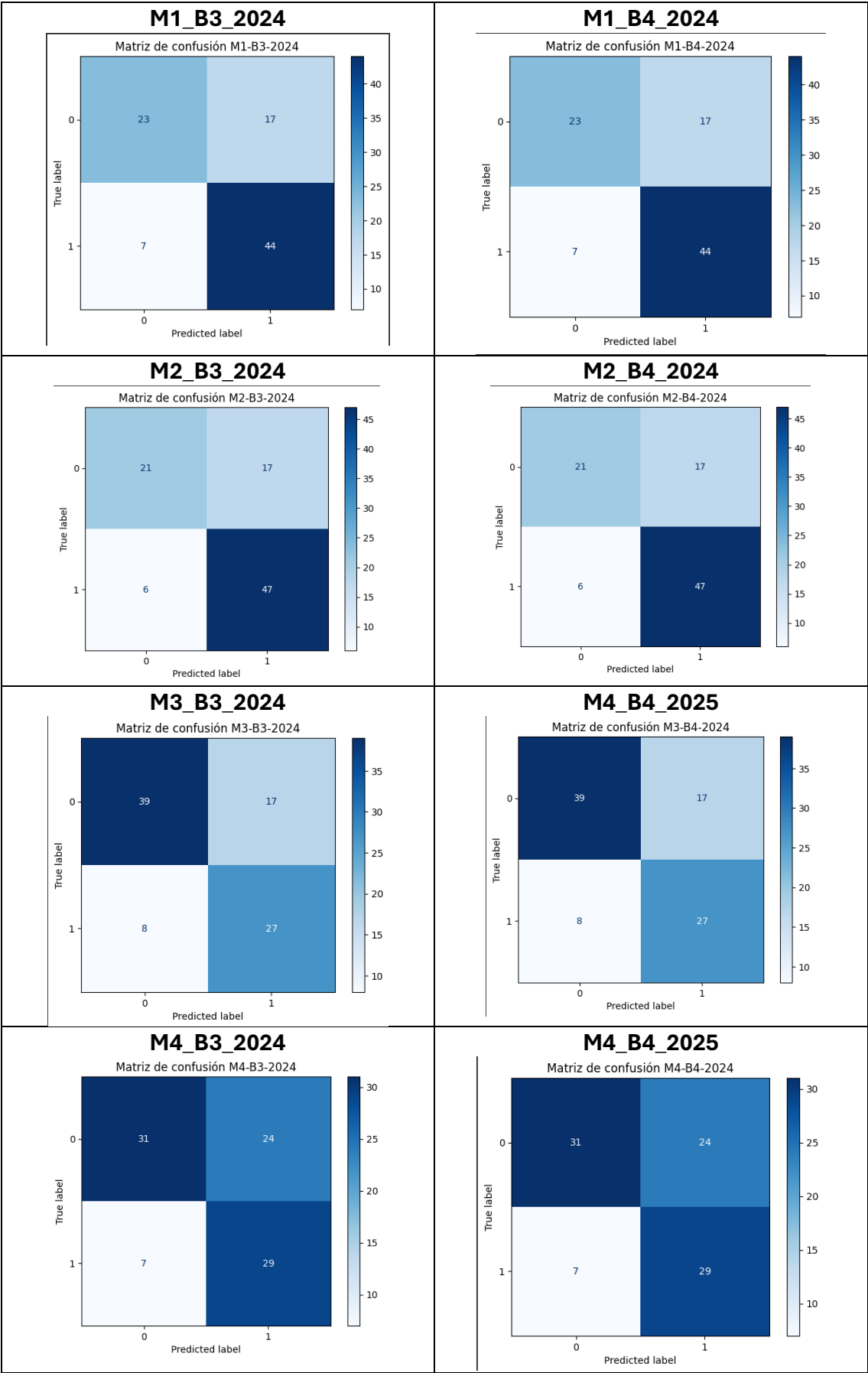
M4_B4_2025



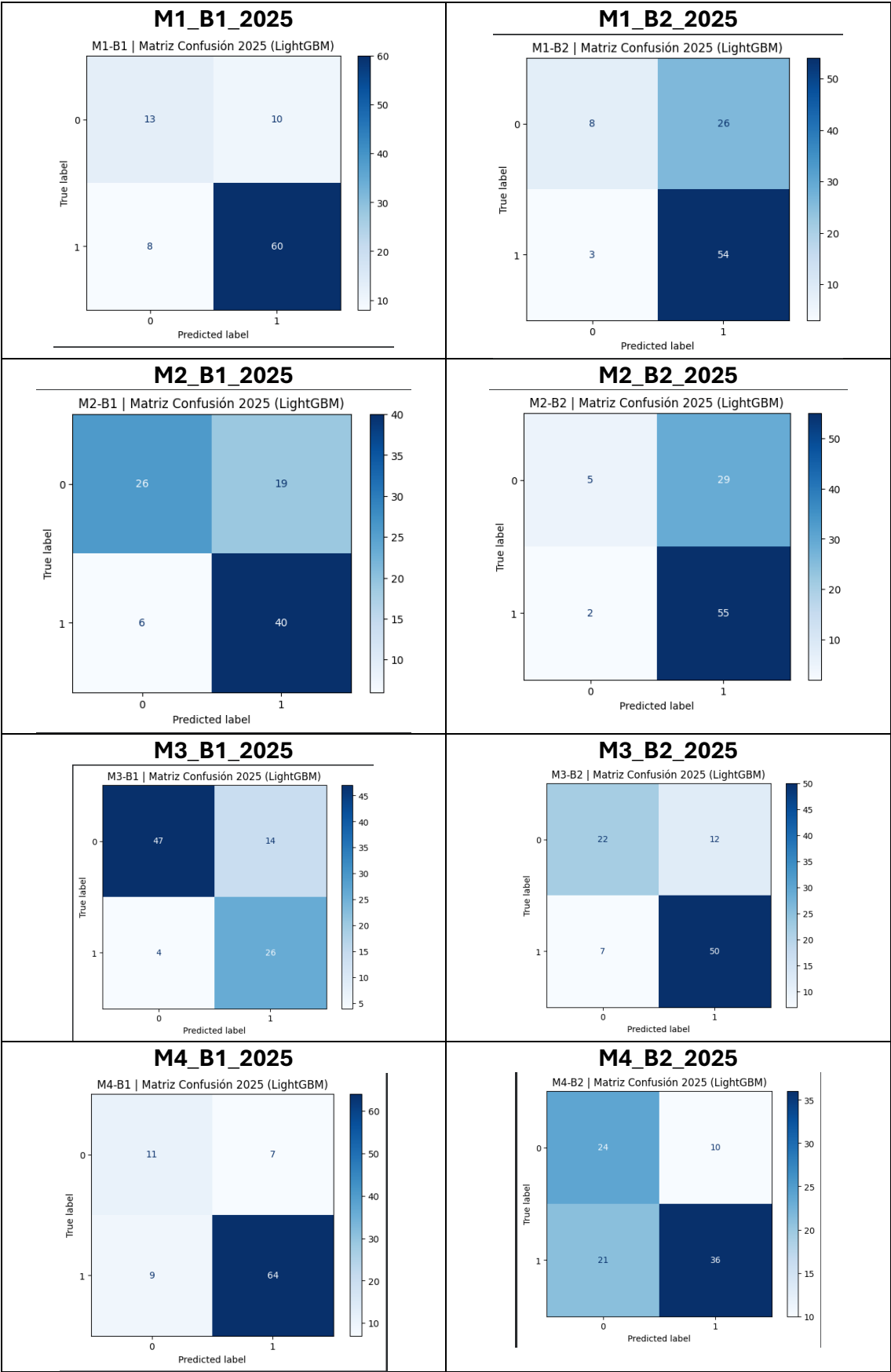
SVM B1 y B2



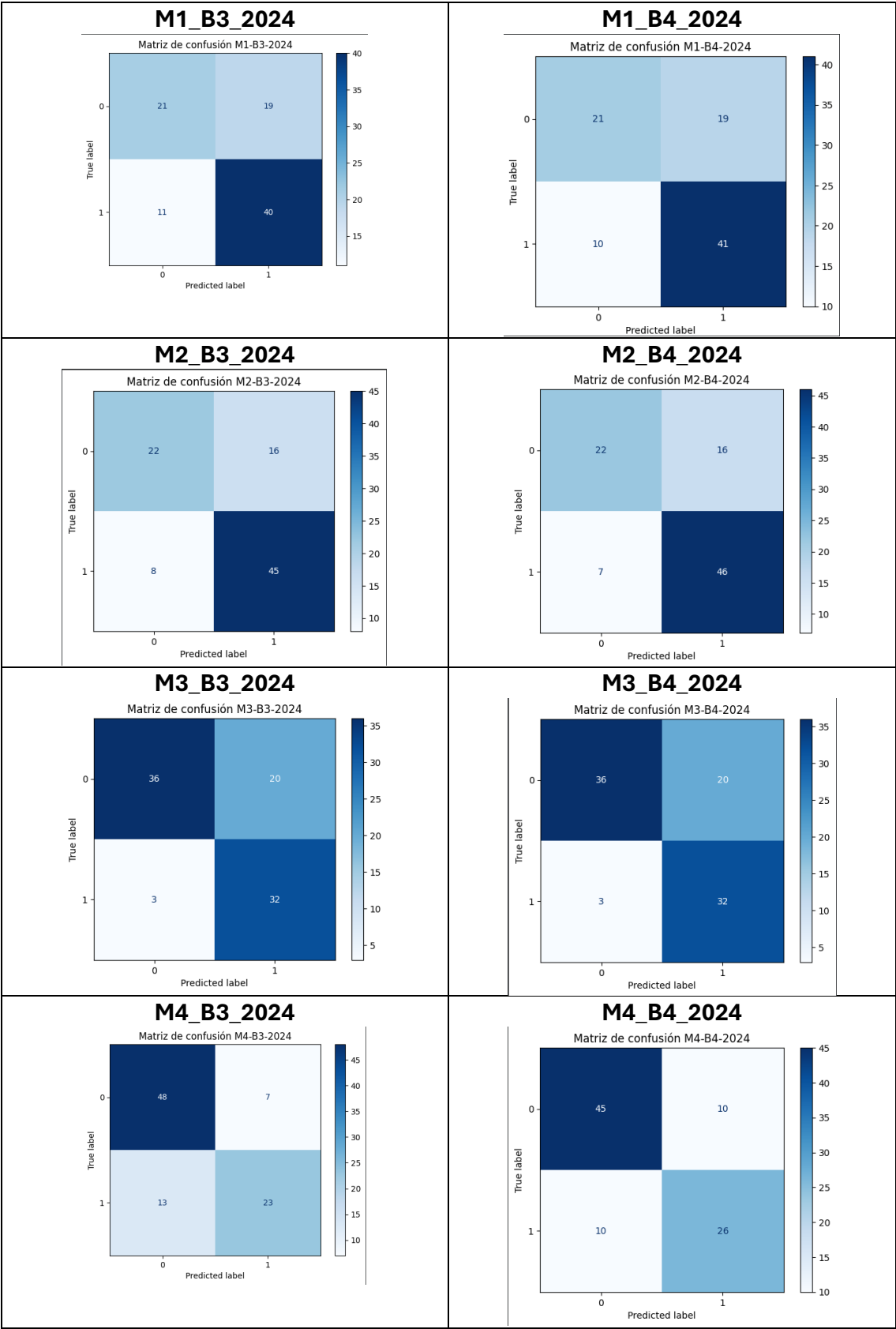
SVM B3 y B4



LIGHT GBM B1 y B2



LIGHTGBM B3 y B4



Resultados

| Competencia | Bimestre | Modelo | Accuracy_2025 | Precision_2025 | Recall_2025 | F1_2025 | VP | VN | FP | FN |
|-------------|----------|---------------------|---------------|----------------|-------------|---------|----|----|----|----|
| M1 | B1 | Regresión Logística | 0.8132 | 0.8923 | 0.8529 | 0.8722 | 58 | 16 | 7 | 10 |
| M1 | B1 | SVM | 0.8242 | 0.9062 | 0.8529 | 0.8788 | 58 | 17 | 6 | 10 |
| M1 | B1 | LightGBM | 0.8022 | 0.8571 | 0.8824 | 0.8696 | 60 | 13 | 10 | 8 |
| M1 | B2 | Regresión Logística | 0.7033 | 0.7586 | 0.7719 | 0.7652 | 44 | 20 | 14 | 13 |
| M1 | B2 | SVM | 0.6154 | 0.8056 | 0.5088 | 0.6237 | 29 | 27 | 7 | 28 |
| M1 | B2 | LightGBM | 0.6813 | 0.6750 | 0.9474 | 0.7883 | 54 | 8 | 26 | 3 |
| M1 | B3 | Regresión Logística | 0.7033 | 0.6875 | 0.8627 | 0.7652 | 20 | 20 | 7 | 44 |
| M1 | B3 | SVM | 0.7363 | 0.7213 | 0.8627 | 0.7857 | 44 | 23 | 17 | 7 |
| M1 | B3 | LightGBM | 0.7843 | 0.6780 | 0.6703 | 0.7273 | 40 | 21 | 19 | 11 |
| M1 | B4 | Regresión Logística | 0.7033 | 0.6875 | 0.8627 | 0.7652 | 20 | 20 | 7 | 44 |
| M1 | B4 | SVM | 0.7363 | 0.7213 | 0.8627 | 0.7857 | 44 | 23 | 17 | 7 |
| M1 | B4 | LightGBM | 0.8039 | 0.6833 | 0.6813 | 0.7387 | 41 | 21 | 19 | 10 |
| M2 | B1 | Regresión Logística | 0.7033 | 0.6418 | 0.9348 | 0.7611 | 43 | 21 | 24 | 3 |
| M2 | B1 | SVM | 0.7363 | 0.7115 | 0.8043 | 0.7551 | 37 | 30 | 15 | 9 |
| M2 | B1 | LightGBM | 0.7253 | 0.6780 | 0.8696 | 0.7273 | 40 | 26 | 19 | 6 |
| M2 | B2 | Regresión Logística | 0.7692 | 0.7727 | 0.8947 | 0.8293 | 51 | 19 | 15 | 6 |
| M2 | B2 | SVM | 0.8242 | 0.8254 | 0.9123 | 0.8667 | 52 | 23 | 11 | 5 |
| M2 | B2 | LightGBM | 0.6593 | 0.6548 | 0.9649 | 0.7387 | 55 | 5 | 29 | 2 |
| M2 | B3 | Regresión Logística | 0.6813 | 0.6579 | 0.9434 | 0.7752 | 12 | 26 | 3 | 50 |
| M2 | B3 | SVM | 0.7473 | 0.7344 | 0.8868 | 0.8034 | 47 | 21 | 17 | 6 |
| M2 | B3 | LightGBM | 0.8491 | 0.7377 | 0.7363 | 0.7895 | 45 | 22 | 16 | 8 |
| M2 | B4 | Regresión Logística | 0.6813 | 0.6579 | 0.9434 | 0.7752 | 12 | 26 | 3 | 50 |
| M2 | B4 | SVM | 0.7473 | 0.7344 | 0.8868 | 0.8034 | 47 | 21 | 17 | 6 |
| M2 | B4 | LightGBM | 0.8679 | 0.7419 | 0.7473 | 0.8000 | 46 | 22 | 16 | 7 |
| M3 | B1 | Regresión Logística | 0.7033 | 0.5294 | 0.9000 | 0.6667 | 27 | 37 | 24 | 3 |
| M3 | B1 | SVM | 0.8462 | 0.7667 | 0.7667 | 0.7667 | 23 | 54 | 7 | 7 |
| M3 | B1 | LightGBM | 0.8022 | 0.6500 | 0.8667 | 0.7619 | 26 | 47 | 14 | 4 |
| M3 | B2 | Regresión Logística | 0.7253 | 0.7051 | 0.9649 | 0.8148 | 55 | 11 | 23 | 2 |
| M3 | B2 | SVM | 0.8462 | 0.9057 | 0.8421 | 0.8727 | 48 | 29 | 5 | 9 |
| M3 | B2 | LightGBM | 0.7912 | 0.8065 | 0.8772 | 0.7801 | 50 | 22 | 12 | 7 |

| | | | | | | | | | | |
|----|----|---------------------|--------|--------|--------|--------|----|----|----|----|
| M3 | B3 | Regresión Logística | 0.6374 | 0.5161 | 0.9143 | 0.6598 | 26 | 30 | 3 | 32 |
| M3 | B3 | SVM | 0.7253 | 0.6136 | 0.7714 | 0.6835 | 27 | 39 | 17 | 8 |
| M3 | B3 | LightGBM | 0.9143 | 0.6154 | 0.7473 | 0.7356 | 32 | 36 | 20 | 3 |
| M3 | B4 | Regresión Logística | 0.6374 | 0.5161 | 0.9143 | 0.6598 | 26 | 30 | 3 | 32 |
| M3 | B4 | SVM | 0.7253 | 0.6136 | 0.7714 | 0.6835 | 27 | 39 | 17 | 8 |
| M3 | B4 | LightGBM | 0.9143 | 0.6154 | 0.7473 | 0.7356 | 32 | 36 | 20 | 3 |
| M4 | B1 | Regresión Logística | 0.8022 | 0.9365 | 0.8082 | 0.8676 | 59 | 14 | 4 | 14 |
| M4 | B1 | SVM | 0.9670 | 0.9861 | 0.9726 | 0.9793 | 71 | 17 | 1 | 2 |
| M4 | B1 | LightGBM | 0.8242 | 0.9014 | 0.8767 | 0.7895 | 64 | 11 | 7 | 9 |
| M4 | B2 | Regresión Logística | 0.7692 | 0.7812 | 0.8772 | 0.8264 | 50 | 20 | 14 | 7 |
| M4 | B2 | SVM | 0.8901 | 0.9434 | 0.8772 | 0.9091 | 50 | 31 | 3 | 7 |
| M4 | B2 | LightGBM | 0.6593 | 0.7826 | 0.6316 | 0.8000 | 36 | 24 | 10 | 21 |
| M4 | B3 | Regresión Logística | 0.5934 | 0.4923 | 0.8889 | 0.6337 | 22 | 33 | 4 | 32 |
| M4 | B3 | SVM | 0.6593 | 0.5472 | 0.8056 | 0.6517 | 29 | 31 | 24 | 7 |
| M4 | B3 | LightGBM | 0.6389 | 0.7667 | 0.7802 | 0.6970 | 23 | 48 | 7 | 13 |
| M4 | B4 | Regresión Logística | 0.5934 | 0.4923 | 0.8889 | 0.6337 | 22 | 33 | 4 | 32 |
| M4 | B4 | SVM | 0.6593 | 0.5472 | 0.8056 | 0.6517 | 29 | 31 | 24 | 7 |
| M4 | B4 | LightGBM | 0.7222 | 0.7222 | 0.7802 | 0.7222 | 26 | 45 | 10 | 10 |