|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Modelos | Accuracy | Precisión | | Recall | | F1 |
| Beto + Bert + Albert\_base |  | |  |  |  | | |
| Beto + Bert + Albert\_Large |  | |  |  |  | | |
| Beto + Bert + Albert\_xx\_Large |  | |  |  |  | | |
| Beto + Albert\_base + Bertin\_base | 0.9377 | | 0.8298 | 0.8470 | 0.8381 | | |
| Bert + Albert\_large + Bertin\_large | 0.9458 | | 0.8606 | 0.8445 | 0.8523 | | |
| Beto + Albert\_large + Albert\_xx\_large | 0.9469 | | 0.8489 | 0.8880 | 0.8653 | | |
| Beto + Bert + Albert\_base + Albert\_large + Albert\_xx\_large | **0.9506** | | 0.8642 | **0.8950** | **0.8742** | | |
| Beto + Bert + Albert\_base + Bertin\_base + Electra\_base | 0.9427 | | 0.8508 | 0.8387 | 0.8446 | | |
| Beto + Bert + Albert\_large + Bertin\_large + Electra\_base | 0.9476 | | **0.8692** | 0.8424 | 0.8552 | | |
| Beto + Bert + Albert\_base + Albert\_large + Albert\_xx\_large + Bertin\_large + Electra\_base | 0.9499 | | 0.8617 | 0.8659 | 0.8663 | | |

**Ensamble Votación Máxima**

**Ensamble Promedio**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Modelos | Accuracy | | Precisión | Recall | F1 |
| Beto + Bert + Albert\_base | | 0.9585 | 0.8948 | 0.8804 | 0.8874 | |
| Beto + Bert + Albert\_Large | | **0.9613** | **0.9063** | 0.8819 | 0.8936 | |
| Beto + Bert + Albert\_xx\_Large | | 0.9577 | 0.8863 | 0.8890 | 0.88756 | |
| Beto + Albert\_base + Bertin\_base | |  |  |  |  | |
| Bert + Albert\_large + Bertin\_large | |  |  |  |  | |
| Beto + Albert\_large + Albert\_xx\_large | | 0.9578 | 0.8867 | 0.8891 | 0.8879 | |
| Beto + Bert + Albert\_base + Albert\_large + Albert\_xx\_large | | 0.9603 | 0.8953 | **0.8925** | **0.8939** | |
| Beto + Bert + Albert\_base + Bertin\_base + Electra\_base | |  |  |  |  | |
| Beto + Bert + Albert\_large + Bertin\_large + Electra\_base | |  |  |  |  | |
| Beto + Bert + Albert\_base + Albert\_large + Albert\_xx\_large + Bertin\_large + Electra\_base | |  |  |  |  | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Modelos | Accuracy | Precisión | Recall | F1 | Pesos |
| Beto + Bert + Albert\_base | 0.9591 | 0.8982 | 0.8792 | 0.8884 | 0.40, 0.35, 0.25 |
| Beto + Bert + Albert\_Large | 0.9603 | 0.9033 | 0.8798 | 0.8911 | 0.35, 0.25, 0.40 |
| Beto + Bert + Albert\_xx\_Large | 0.9565 | 0.8803 | 0.8913 | 0.8857 | 0.35, 0.25, 0.40 |
| Beto + Albert\_base + Bertin\_base |  |  |  |  |  |
| Bert + Albert\_large + Bertin\_large |  |  |  |  |  |
| Beto + Albert\_large + Albert\_xx\_large | 0.9565 | 0.8805 | 0.8908 | 0.8856 | 0.25, 0.35, 0.40 |
| Beto + Bert + Albert\_base + Albert\_large + Albert\_xx\_large |  |  |  |  |  |
| Beto + Bert + Albert\_base + Bertin\_base + Electra\_base |  |  |  |  |  |
| Beto + Bert + Albert\_large + Bertin\_large + Electra\_base |  |  |  |  |  |
| Beto + Bert + Albert\_base + Albert\_large + Albert\_xx\_large + Bertin\_large + Electra\_base |  |  |  |  |  |

**Ensamble Promedio Ponderado**