|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Modelos | Accuracy | Precisión | | Recall | | F1 |
| Beto | **0.9454** | | **0.8636** | 0.8346 | 0.8483 | | |
| Bert | 0.9421 | | 0.8517 | 0.8313 | 0.8411 | | |
| Albert\_base | 0.9345 | | 0.8238 | 0.8300 | 0.8269 | | |
| Albert\_large | 0.9437 | | 0.8468 | 0.8579 | **0.8522** | | |
| Albert\_xx\_large | 0.9369 | | 0.8233 | **0.8627** | 0.8414 | | |
| Bertin\_base | 0.9203 | | 0.7831 | 0.8312 | 0.8044 | | |
| Bertin\_large | 0.9375 | | 0.8403 | 0.8145 | 0.8267 | | |
| Electra\_small | 0.9288 | | 0.8127 | 0.8006 | 0.8065 | | |
| Electra\_base | 0.9352 | | 0.8285 | 0.8229 | 0.8257 | | |
| Gpt\_2 | 0.8990 | | 0.7824 | 0.5339 | 0.5382 | | |

**MODELOS INDEPENDIENTES**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Técnica | Ensamble | Precisión | | Recall | | F1 |
| Stacking | **Beto + Bert + Albert\_Large** | | 0.8636 | 0.8346 | 0.8483 | | |
| **Beto + Albert\_Large + Albert\_xx\_Large** | | 0.8738 | 0.8273 | 0.8485 | | |
| **Beto + Bert + Bertin\_large + Albert\_Large + Albert\_xx\_Large** | | 0.8537 | 0.8526 | 0.8531 | | |
| Boosting | **Beto + Bert + Albert\_Large** | | 0.8838 | 0.8280 | 0.8530 | | |
| **Beto + Albert\_Large + Albert\_xx\_Large** | | 0.8569 | 0.8571 | 0.8566 | | |
| **Beto + Bert + Bertin\_large + Albert\_Large + Albert\_xx\_Large** | | 0.8771 | 0.8381 | 0.8562 | | |
| Votación  Máxima | **Beto + Bert + Albert\_Large** | | 0.8761 | 0.8516 | 0.8633 | | |
| **Beto + Albert\_Large + Albert\_xx\_Large** | | 0.8577 | 0.8592 | 0.8584 | | |
| **Beto + Bert + Bertin\_large + Albert\_Large + Albert\_xx\_Large** | | 0.8709 | 0.8584 | 0.8645 | | |
| Votación  Promedio | **Beto + Bert + Albert\_Large** | | 0.9063 | 0.8819 | 0.8936 | | |
| **Beto + Albert\_Large + Albert\_xx\_Large** | | 0.8867 | 0.8891 | 0.8879 | | |
| **Beto + Bert + Bertin\_large + Albert\_Large + Albert\_xx\_Large** | | 0.8982 | 0.8869 | 0.8924 | | |
| Votación  Promedio Ponderado | **Beto + Bert + Albert\_Large** | | 0.8835 | 0.8869 | 0.8852 | | |
| **Beto + Albert\_Large + Albert\_xx\_Large** | | 0.8861 | 0.8911 | 0.8886 | | |
| **Beto + Bert + Bertin\_large + Albert\_Large + Albert\_xx\_Large** | | 0.8948 | 0.8864 | 0.8905 | | |