



Figure 4. Accuracy Score

Figure 4 compares our obtained results against state of art. P1 to p7 are respectively papers [1] – [7].

Conclusion

In this research paper, a system for the detection of fake news is implemented using machine learning and natural language processing. Six different machine learning were implemented, and their results are compared using several metrics. Metrics based on 2 different datasets showed ML achieve accuracy rates ranging from 86% to 99%. Four of these algorithms achieved very high accuracy rates, reaching up to 99%, with very small fractional differences between them. These algorithms are SGD, PAC, RC, and DTs. Following them is the LR algorithm, which achieved an accuracy rate of 98%. Finally, the ET algorithm yielded the lowest accuracy rate at 86%, which is still not considered a poor percentage. This demonstrates the significant advancements in the use of artificial intelligence and natural language processing techniques in detecting fake news.

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