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Leveraging adiabatic quantum computation for election forecasting

Accurate, reliable sampling from fully-connected graphs with arbitrary correlations is an extremely difficult problem. Such sampling requires knowledge of the probabilities of observing every possible state of a graph. As graph size grows, the number of states becomes intractably large and efficient computation requires full sampling be replaced with heuristics and algorithms that are only approximations of full sampling. In this work we investigate what adiabatic quantum computation can contribute in lieu of some recent successes training various Boltzmann machines using a quantum device. In particular we investigate the potential use of quantum computation for predicting the 2016 Presidential election.