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|  | توضیحات |
| Deep belief network |  |
| Convolutional neural network |  |
| Conditional random fields (CRF) |  |
| Probabilistic Graphical Models (PGM) |  |
| Deep neural network |  |
| LBFGS |  |
| Optimization |  |
| Vector space model and (LDA) and (LSA) |  |
| Hidden Markov Models (HMM) |  |
| Particle filters like Kalman filter and Monte Carlo filter |  |
| Bootstrapping and semi supervised learning |  |
| Levenberg–Marquardt algorithm | این روش بهینه سازی را آقای امیری معرفی کرد. |