




AAS_CH6 & DM9.6/13.5 My Extension

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Alexander Spivey

Categories: Machine Learning and Artificial Intelligence

- Concept terms: ventures, huawei, icad, samsung, galaxy, bear, instrumental, marvin, teach, situate
- Concept docs: Human Problem Solving, Glossary of artificial-intelligence, Subclass reachability, 0music, Alesis Artificial Intelligence, Query-level feature, Nature Machine Intelligence, Discovery system (AI research), ML Fairness, Thomas Bolander
- Concept terms: dataset, classification, image, text, none, preprocessing, brief, default, format, creator
-  Concept docs: List of datasets for machine-learning research, Computer vision, Deep learning, Convolutional neural network, Google, Machine learning in bioinformatics, Document classification, GPT-2, Natural language processing, Applications of artificial-intelligence
-  Concept terms: game, player, theory, equilibrium, collective, payoff, strategy, nash, google, intelligence
- Concept terms: \mathbf{m} , \mathbf{h} , ϕ , kernel, dataset, epistemic, embedding, texts, classification, psus
-  Concept docs: Dynamic epistemic logic, Kernel embedding of distributions, Bayesian interpretation of kernel regularization, List of datasets for machine-learning research, Tensor sketch, Differentiable neural computer, Random forest, Learning with errors, Description logic, Convolutional neural network

Points of Interests

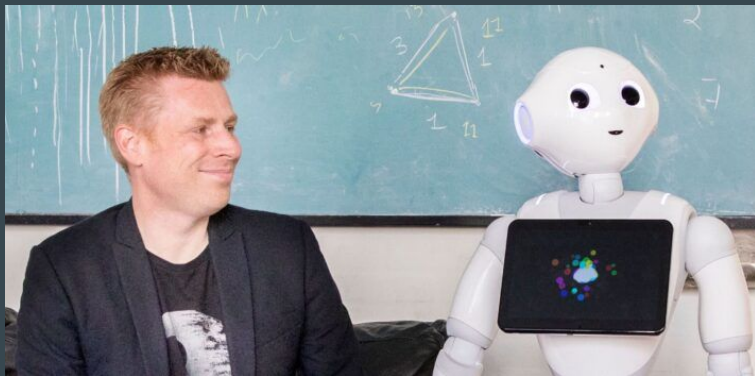


ICAD

ProFound AI®

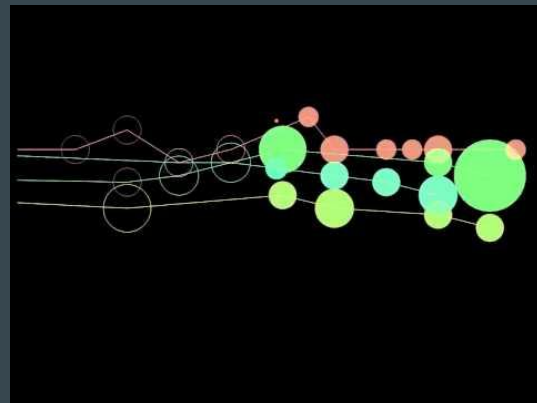
The Clear Leader in Breast AI.
Superior Accuracy and Performance.
A ProFound Evolution.

FDA Cleared, CE Mark



Thomas
Bolander

Omusic



Better Language Models and Their Implications

We've trained a large-scale unsupervised language model which generates coherent paragraphs of text, achieves state-of-the-art performance on many language modeling benchmarks, and performs rudimentary reading comprehension, machine translation, question answering, and summarization—all without task-specific training.

GPT2

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Original Dump

Machine

(machine,1.00000000000000018), (learning,0.7590785618323165), (learn,0.7159204719069167),
(supervise,0.6025095960230853), (algorithm,0.5762248089544058), (svm,0.5497873966433428),
(datum,0.541928582567879), (improve,0.5389858396421375), (research,0.5377524679275919), (perform,0.5353734823679331)

Artificial

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(intelligence,0.613955513412785), (human,0.6121735956569119), (superintelligence,0.6064729559611044),
(intelligent,0.5876906850447825), (develop,0.5686512109120677), (technology,0.5566786994439001), (future,0.554521227318

Machine learning

(Machine learning,64.06587924879922), (Outline of machine learning,38.019270405043585), (Deep learning,27.9783290989412
(Quantum machine learning,24.46067021373109), (Artificial intelligence,23.350181318303434),
(Machine learning in bioinformatics,20.158358781214996), (Federated learning,19.446850253852983),
(Machine learning in video games,14.921774612438062), (Supervised learning,14.243512748461708),
(Semi-supervised learning,14.077272629054148)

Artificial intelligence

(Collective intelligence,70.97626783060878), (Outline of artificial intelligence,49.03109536113169),
(Artificial intelligence,40.44251486098382), (Applications of artificial intelligence,35.308890217846674),
(Regulation of artificial intelligence,24.938955736518853), (Artificial general intelligence,22.904570303826254),
(Artificial intelligence arms race,15.756590575977643), (Computational intelligence,13.722205143285063),
(Distributed artificial intelligence,12.51207201936948), (Artificial consciousness,12.0435363571586)

Machine learning Artificial intelligence

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(Outline of machine learning,47.11644726336468), (Applications of artificial intelligence,44.55520293688335),
(Deep learning,33.703204947323876), (Artificial general intelligence,29.75701441942675),
(Quantum machine learning,25.648239534517653), (Regulation of artificial intelligence,25.620542947081656)

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Category: Machine Learning

Document	Term Frequency	Score
Machine learning	158	64.06587924879922
Outline of machine learning	83	38.019270405043585
Deep learning	20	27.978329098941217
Quantum machine learning	69	24.46067021373109
Artificial intelligence	18	23.350181318303434
Machine learning in bioinformatics	63	20.158358781214996

Category: Artificial Intelligence

Document	Term Frequency	Score
Collective intelligence	11	70.97626783060878
Outline of artificial intelligence	67	49.03109536113169
Artificial intelligence	110	40.44251486098382
Applications of artificial intelligence	127	35.308890217846674
Regulation of artificial intelligence	88	24.938955736518853

Category: Machine-Learning

Document	Term Frequency	Score
Machine learning	158	79.10730897555501
Outline of machine learning	83	65.08643299547283
Artificial intelligence	18	55.25041099543391
Deep learning	20	50.40735192410311
Solomonoff's theory of inductive inference	2	34.313649107103416

Category: Artificial-Intelligence

Document	Term Frequency	Score
Collective intelligence	11	182.3685222656075
Outline of artificial intelligence	67	84.63336314412014
Artificial intelligence	110	75.80672205260252
Regulation of artificial intelligence	88	53.23833914340918
Applications of artificial intelligence	127	48.398490130372025