

Futurescope – artificial intelligence



**ASSIGN
BUSTER**

Software coding software @ GoogleSoftware Coded Machine Learning

Software That Exceeded Human Developed Software

Google's Brain AI R&D group created software that coded better learning software than AI experts

This success is alike many at MIT, Deepmind, & experts worry AI may take their AI coding jobs

Human job security - What jobs are safe? Careers Are Safe From Automation If They Deal With Unpredictability In The World

Such as jobs dealing w/ people: interpersonal relations, or Numbers: math application in business

Human health related jobs, I. e. Immunologists, and space/structure jobs like engineers, env. Scientists

Cancer diagnosis - GoogLeGoogLeNet AI Diagnoses Cancer At 89% Accuracy Compared To 73% By Pathologists

Technology used in self-driving cars was used to analyze 10MP slides & diagnose cancerous tissue

GoogLeNet can't recognize all irregularities; used in tandem with pathologists it can improve diagnoses

Suicide PreventionFacebook AI Identifies Suicidal Habits; Offers Option To Report Post For Suicidal Language

Facebook also added option to report suicidal hints or actions on live videos & access hotlines for help

This comes after 5000 word manifesto written by Zuckerberg championed much more use of AI

Ai generated Artwork Sony To Release Pop Album Created By AI In 2017; AI Poetry Robots Tweet Original Poetry

Ai projects pervade contemporary culture; Google's Deep Dream creates art reminiscent of Dali/Escher

Benjamin AI analyzed sci-fi films (Star Trek, X-files) to create 6 page sci-fi screenplay: " Sunspring"

% of jobs automated by ai..

M... Global institute? Only 5% Of Jobs Will Be Automated By 2055, But Many 'Job Activities' Will Be Automated

Study breaks down jobs into constituent activities; 60% of jobs will have 30% of activities automated

Mckinsey Global Institute study predicts work activities are more likely to be replaced than jobs

Job alternatives for insurance employees

Like youthful, female, innocent in hebrew

Aviva Will Train Employees For Alternative Jobs If Automation Threatens Their Jobs

Aviva will retrain any of its 16, 000 employees that fear automation will replace their insurance jobs

White House predicts between of American 9-47% of jobs are vulnerable to automation in near future

Automated troll battling

Change your _____.. AI

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Who has implemented it?

Perspective AI Detects Online Harassment To Instantly Flag It For Moderation
By Humans

The Google & Jigsaw collaboration is downloadable by developers who hope
to fight trolling online

New York Times & Wikipedia have already implemented it to flag abusive
comments online

Machine Learning Image Search

Where's it used?

Flickr Uses Neural Networks To Categorize Photos & Search For Visually
Similar Photos

Uploaded photos are tagged by the neural network, based off color, content,
composition, shape, etc.

Photos with unusual content may sort incorrectly, but the neural network will
improve over time

MACHINE LEARNING

AI in NY court room?

Used to assist judges in decisions for?

AI Algorithms Predicted Criminal Behavior While Awaiting Court Better Than
Judges

The algorithms used 1000's of court records to predict whether defendants
would flee after court

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Algorithms are estimated to decrease crimes committed by defendants awaiting trial 25% in NY

MACHINE LEARNING

Writing improvement AI?

Named After?

What research is software based off?

Where did you read the article?

Hemingway AI Improves Readability of Writing By Suggesting Grammatical Changes

The AI If will rid your writing of run-on sentences, needless adverbs, passive voice, opaque words

The software is based off research of readability & attempts to simplify all writing to a readable level

ARTIFICIAL INTELLIGENCE

Data to model real World? Machine Learning System Generates Synthetic Data Sets For Data Science Efforts

System creates synthetic data that doesn't raise privacy concerns & is usable to test new algorithms

Tests show synthetic data is as accurate as real data (70% of time) for software writing & testing

MACHINE LEARNING

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Google video AI?

API?

Google's Video Intelligence API Recognizes Objects In Videos & Makes Them Searchable

Google machine learning API allows developers to build applications to search for information in video

The new API democratizes the AI system & makes extracting info from videos as easy as still images

MACHINE LEARNING

AI after astrophysicist? Salesforce AI Dubbed Einstein Automatically Generates Data Models To Improve Business

Salesforce now integrated Einstein AI into every piece of its vast cloud computing software platform

Einstein AI has yet to prove AI fueled capabilities are helping customers improve their experiences

Keeps families in touch?

Easier communication?

Who made the product?

SMS Based Personal Assistant, Captain AI, Helps Families Manage Their Busy Schedules

The Yahoo product receives commands from parents by sms & communicates with children

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Captain acts as intermediary between children & parents to simplify & automate communication

ARTIFICIAL INTELLIGENCE

Cancer AI?

Who made it?

Name?

Success rate or accuracy?

Why can't it replace pathologists?

GoogLeNet AI Diagnoses Cancer At 89% Accuracy Compared To 73% By Pathologists

Technology used in self-driving cars was used to analyze 10MP slides & diagnose cancerous tissue

GoogLeNet can't recognize all irregularities; used in tandem with pathologists it can improve diagnoses

Suicide spotting AI

Who made it?

Why is the company pursuing AI?

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& access hotlines for help

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ARTIFICIAL INTELLIGENCE

ConscSentient Technology AI Trades Stock With Money Donated By Hong Kong's Richest Man

100s of machine learning AIs are tested for efficacy with historical trading data; the best are chosen

Best algorithms are spliced together for next generation & used in the real-world market

ARTIFICIAL INTELLIGENCE

Graphic design machine learning ai?

Who is using it?

Is it in use??

Adobe Machine Learning Program Suggests Webpage Layout, Color Scheme & Photos

The unnamed AI program analyzes possible inputs & suggests content suited to audience of the site

It uses large data sets to automate simple design elements; complicated design is left to humans

Medical Predictive power??

How many people used for data?

Where?

AI Predicted 355 More Stroke Victims Than Standard Medical Procedures

A neural network was fed medical data from 378, 256 patients to distinguish characteristics of stroke victims

Combined with human doctors, the AI can alert doctors to patients in danger of stroke to improve diagnosis

Amazon's _____ is more lifelike? Why?

regional?

Alexa Will Now Whisper, Pause For Emphasis & More To Sound Human

Alexa's new Speech Synthesis Markup Language allows developers to code speech patterns into applications

Amazon also introduced "speechcons" to developers in UK & Britain to use regional language like "Blimey"

Jack who? Said What about AI?

Living longer?

Alibaba Founder Warns That AI's Will Create 'More Pain Than Happiness'

Longer life-expectancy & the growth of AIs will lead to high competition for fewer jobs within 30 years

Jack Ma warned that AIs should only do what humans can't if we want AIs as partners instead of replacements

Film about AI?

Name?

Who stars in it?

Short-Film Starring Hasselhoff Uses Human & AI Script Writers

'It's No Game' contrasts coherent human script writing with movie mashup scripts written by several AIs

In the film, humans are needed to interpret & act the nonsensical output from AIs fed X-files & Shakespeare

Style by AI assistant?

How much?

Other means of judging style?

Amazon's Echo Look Camera Rates & Catalogs Outfits With Machine Learning

Algorithms developed with fashion specialists judge style using full-length photos & videos of outfits

Available for \$199; Also, Amazon's Echo & its iOS app can judge outfits using similar style-based algorithms

AI number recognition?

Percentage accuracy?

Japanese language recognition?

EEG Device Used Machine Learning To Recognize Numbers With 90% Accuracy

Also, 61% accuracy in 18 Japanese monosyllable was achieved, outperforming previous research

This technology may aid handicapped patients to communicate through letters recognized by EEG

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