

## Final Thoughts

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In 2012, Harvard Business Review said Data Scientist will be the Sexiest Job of the 21<sup>st</sup> Century

**Harvard  
Business  
Review**



DATA

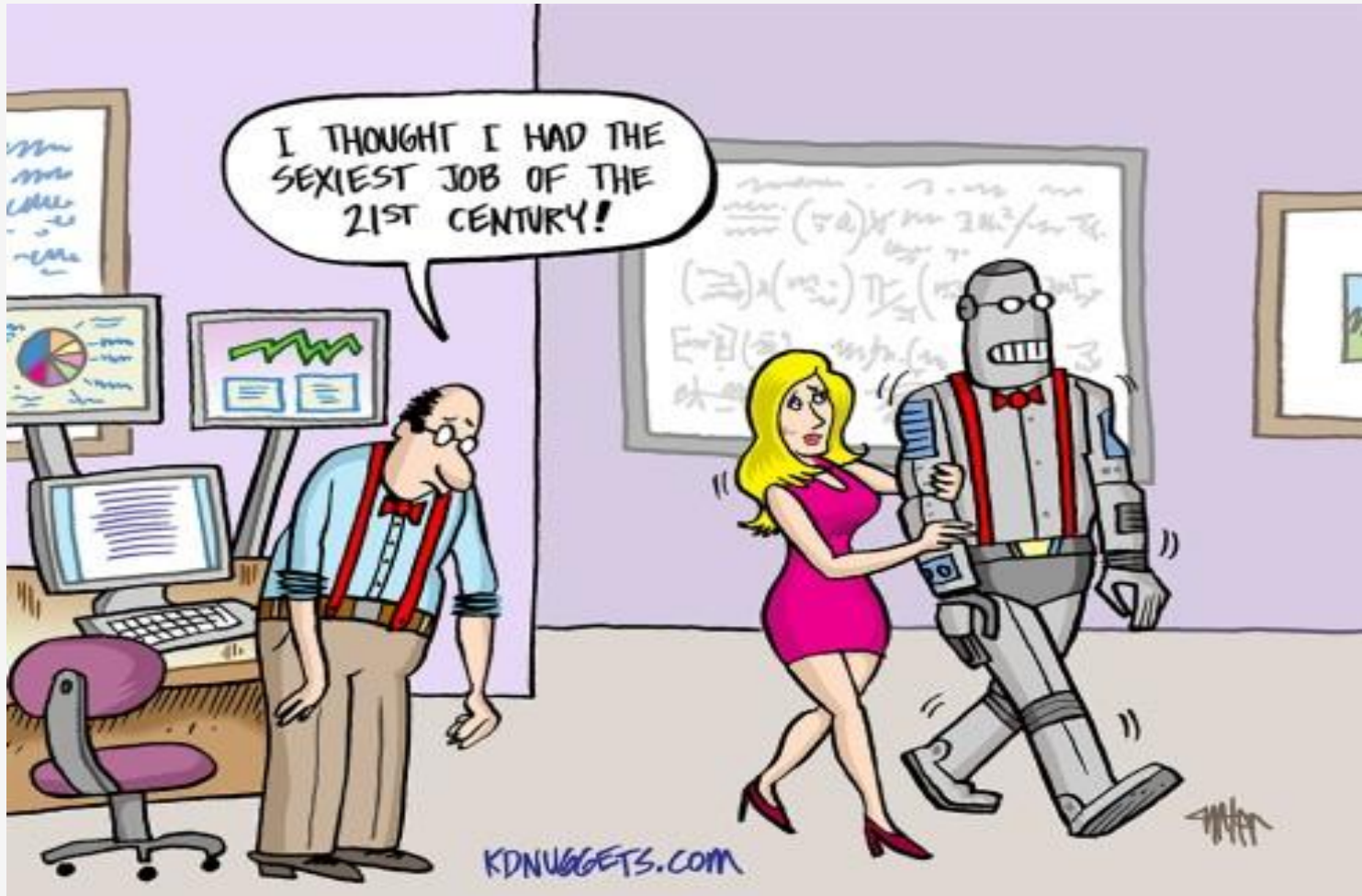
# Data Scientist: The Sexiest Job of the 21st Century

by Thomas H. Davenport and D.J. Patil

FROM THE OCTOBER 2012 ISSUE

# Final thoughts

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- Keep Learning
- Be ready to Adapt and Adjust
- AI is everywhere

## Final Thoughts

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Remember my favorite slide?

# Alex Pang's Evolution Theory

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A Journey  
Together



Important Topics that we didn't have time to cover

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K-Nearest Neighbor

Neural Network

Reinforcement Learning

I would take you up to the 19<sup>th</sup> century, the rest is up to you

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I am so proud of what we have achieved together





# AI is everywhere

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## **Deloitte.** **Artificial Intelligence– Entering the world of tax**

### Where should you place your bets?

The current tax environment is characterized by tax authorities requiring increased transparency across jurisdictions, sharing information with each other and applying determined approaches to the tax management and collection process, but with a lack of consistency across borders. This is expanding the compliance workload for businesses, while they are exposed to increased tax risk and uncertainty about the sustainability of current business models

hype and a real appetite for technology-enabled tax solutions. In this environment, it is important to manage expectations as to what AI can do in the short to medium term and its actual and practical limitations.

### Getting started

To date, the most successful AI initiatives have taken small incremental steps rather than pursuing a mega-project. These

## **How AI And Machine Learning Are Transforming Law Firms And The Legal Sector**

Whenever a professional sector faces new technology, questions arise regarding how that technology will disrupt daily operations and the careers of those who choose that profession. And lawyers and the legal



# AI is everywhere

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## Machine learning cuts surgical infections by 74 percent

Dash Analytics now investigating using machine-learning techniques for other medical procedures



### ENTREPRENEUR

## ZenCity raises \$6 million for AI platform that helps cities crunch big data and track residents' sentiment

ZenCity, an Israeli startup that analyzes online conversations and reports trends and sentiments to city officials, has raised \$6 million in a series A round of funding from Vertex Ventures, Microsoft's M12 venture fund, and Canaan Partners Israel.





From all the links you submit on Blackboard

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## Data Analytic Strategies Decreasing Patient Time in Urgent Care

Getting ahead of the market:  
How big data is transforming  
real estate

How Big Data And Analytics Are Transforming The Construction Industry



*A student team partnered with an Australian police force to look for patterns in crime.*

From all the links you submit on Blackboard

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AirBnB uses data science to help renters set their prices.

Data science revolutionizes sports analytics.

After the release and success of the 2003 book *Moneyball* (and corresponding 2011 film), sports teams have been realizing that their data is more powerful than they had ever imagined. Over the past few years, the Strategic Innovations Group at the consulting firm Booz Allen Hamilton has been doing just that — working to transform the way teams utilize data.

Using data science and machine learning tactics, Booz Allen's team was able to develop an application for MLB coaches to predict any pitcher's throw with up to 75%

Solving real-world problems  
with data analytics

Legal weed is linked to higher junk-food  
sales

Obesity: raising price of sugary snacks may be more effective than soft drink tax

## Final Thoughts

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Graduates from Queens College have used the latest Artificial Intelligence techniques to develop products in ... industry that could have the potential to help millions of people.

We are excited to be here on the campus today to interview founders ....

# What comes after Elon Musk?

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I will take you up to the 19<sup>th</sup> century, the rest is up to you

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Let's keep in touch and let me know what you are up to

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Thank you

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