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Tech: Don’t be afraid of Healthcare

Research Panelist, Krista Toler

April 19, 2024

Disclosure: Employee of Zimmer Biomet. Views and opinions expressed are my own.

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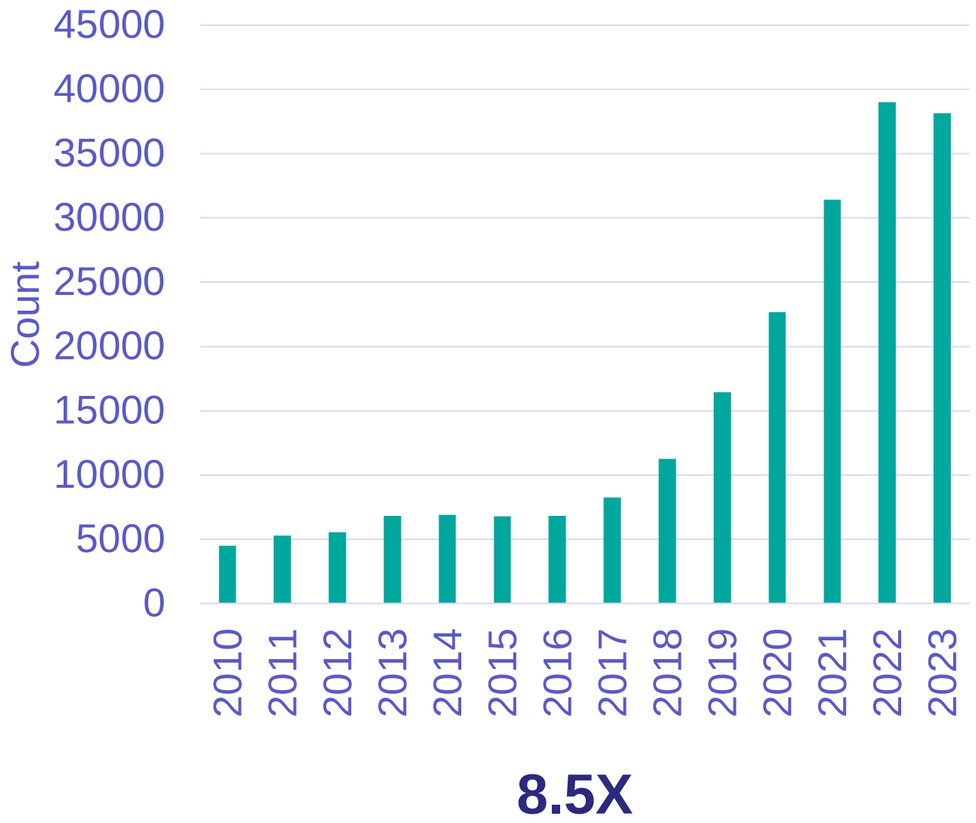
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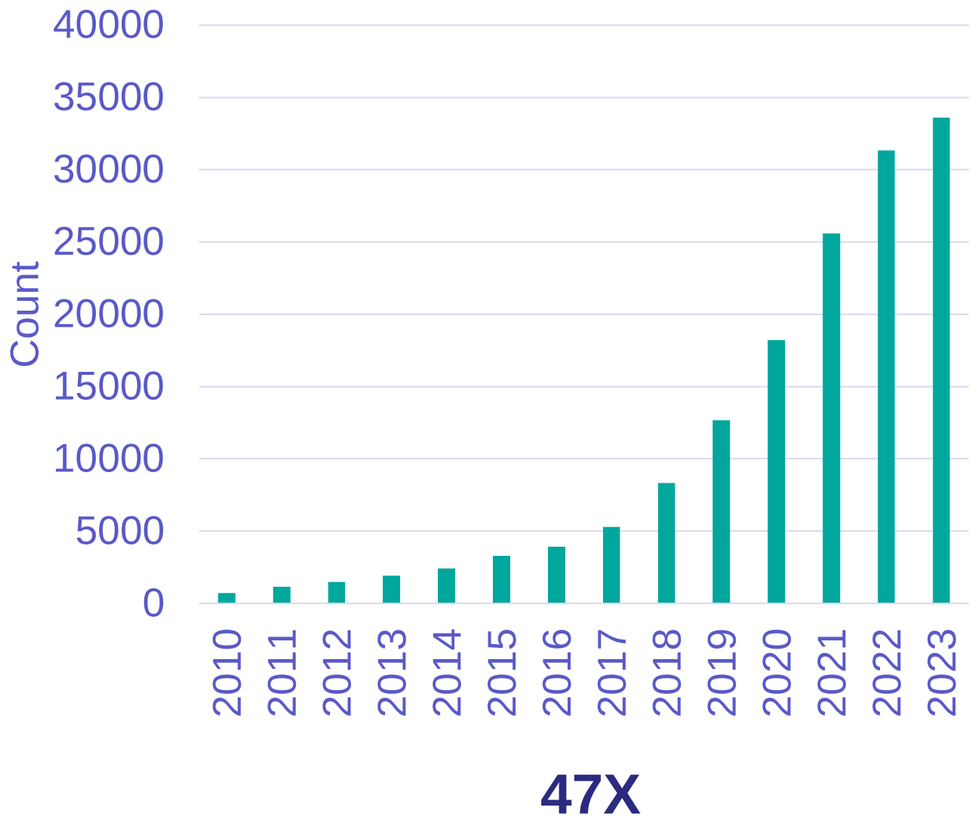
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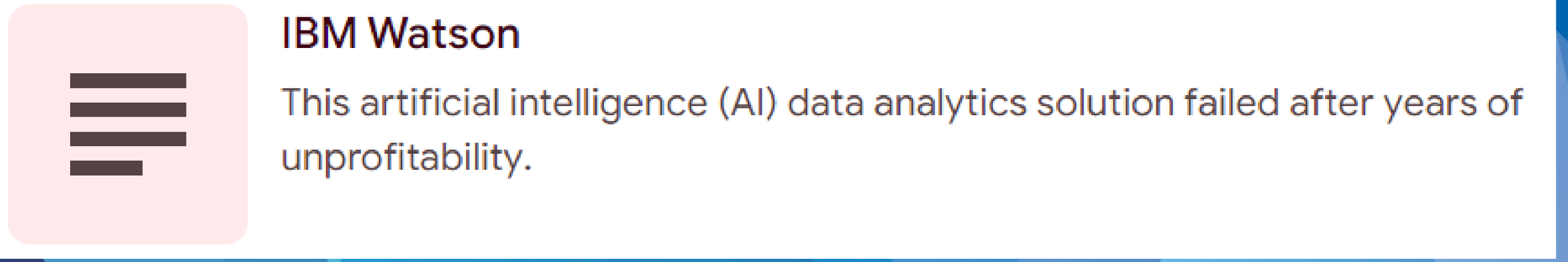
Tech: Don’t be Afraid of Healthcare

Google: “technology companies that failed big in healthcare”



Google: “technology companies that failed big in healthcare”

Google Health

This personal health record service ran from 2008 to 2012, but was short-lived and not very useful.

Google: “technology companies that failed big in healthcare”

Microsoft HealthVault

This platform for storing personal health and fitness information was similar to Google Health.

CNBC

Bezos health investments reveal strategy

Bezos is willing to make big bets and wait a long time. Bezos has been investing in health tech since the 1990s, when Amazon took a big...

Feb 3, 2018

Los Angeles Times

Hiltzik: Why Buffett, Bezos and Dimon went bust on healthcare

Warren Buffett, Jeff Bezos, and Jamie Dimon thought they could solve healthcare. They never had a chance.

Jan 4, 2021

TechRadar

Amazon is laying off hundreds of workers in its healthcare division

Amazon is cutting hundreds of jobs across its two health-focussed companies, One Medical and Amazon Pharmacy, suggesting that even top brass...

Feb 7, 2024

Tech: Don’t be Afraid of Healthcare

Necessary Building Blocks

Domain Expertise

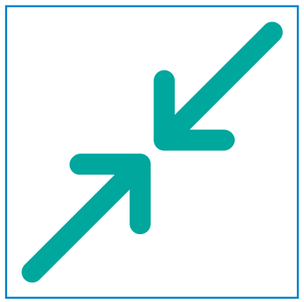
Understanding of Reimbursement Landscape

Experience Working in Regulated Industry

Challenges to Overcome

Knowledge/skill gap

Access to high quality data



Resistance to change

Case Example

- Improve diagnosis of joint infection by providing Probability Score (%)
  - Step 1: Start small – low stakes project
  - Step 2: Make inroads with key collaborators and stakeholders
  - Step 3: Bridge knowledge gaps
  - Step 4: Leap of Faith

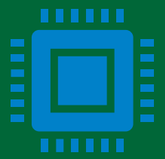
Achieving High Accuracy in Predicting the Probability of Periprosthetic Joint Infection From Synovial Fluid in Patients Undergoing Hip or Knee Arthroplasty: The Development and Validation of a Multivariable Machine Learning Algorithm

Pearl R. Paranjape [1], Van Thai-Paquette [1], John L. Miamidian [1], Jim Parr [2], Eyal A. Kazin [2], Alex McLaren [3], Krista Toler [1], Carl Deirmengian [4, 5]

Summary

Tremendous opportunity

Technology Capability + Domain Expertise



How to scale?

- Data access
- Privacy considerations
- Functional support (clinical, regulatory, quality)

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