#### Al Technology: The Power and Promise of Artificial Intelligence in Healthcare Finance



Leadership Squared









#### **Administrative Applications**





"Administrative complexity is the greatest source of waste in the United States today and can be a result of payers' efforts to reduce waste by reducing over-treatment and low value care"



https://jamanetwork.com/journals/jama/article-abstract/2752664



#### **Administrative Applications**



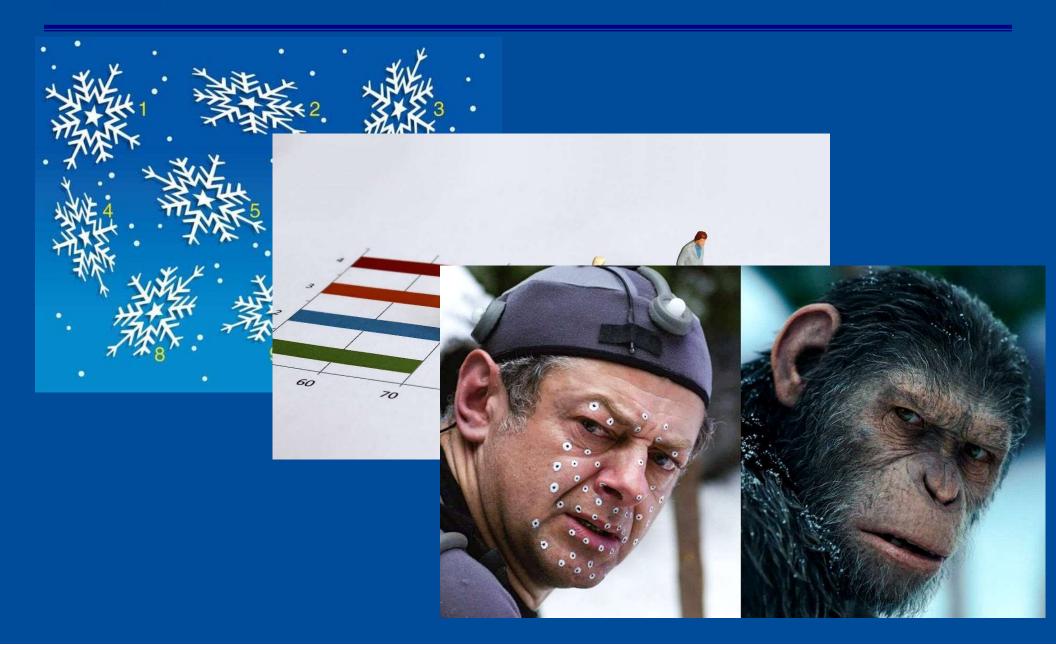


#### **Today's Objectives**

- Describe the real meaning of key terms
  - Al
  - Algorithms
  - machine learning
- Help you plan your path forward



#### What is it?



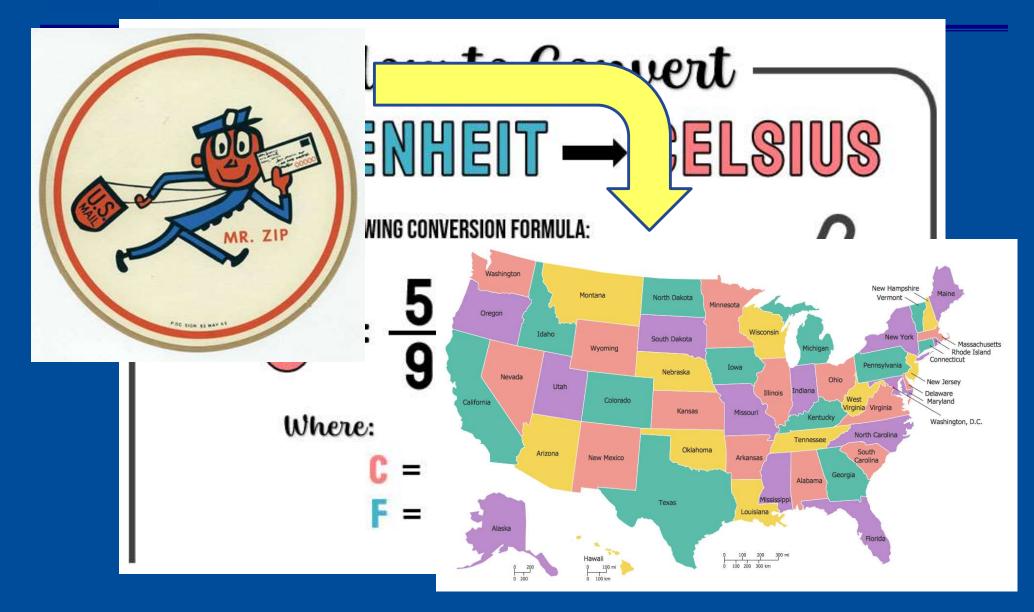


#### **A Practical Example**



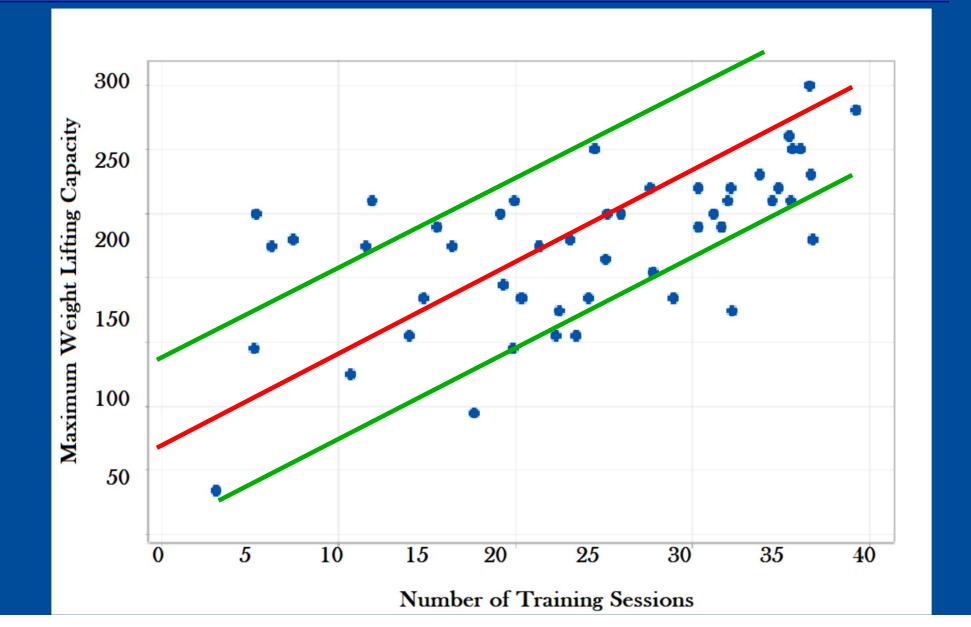


#### Algorithm



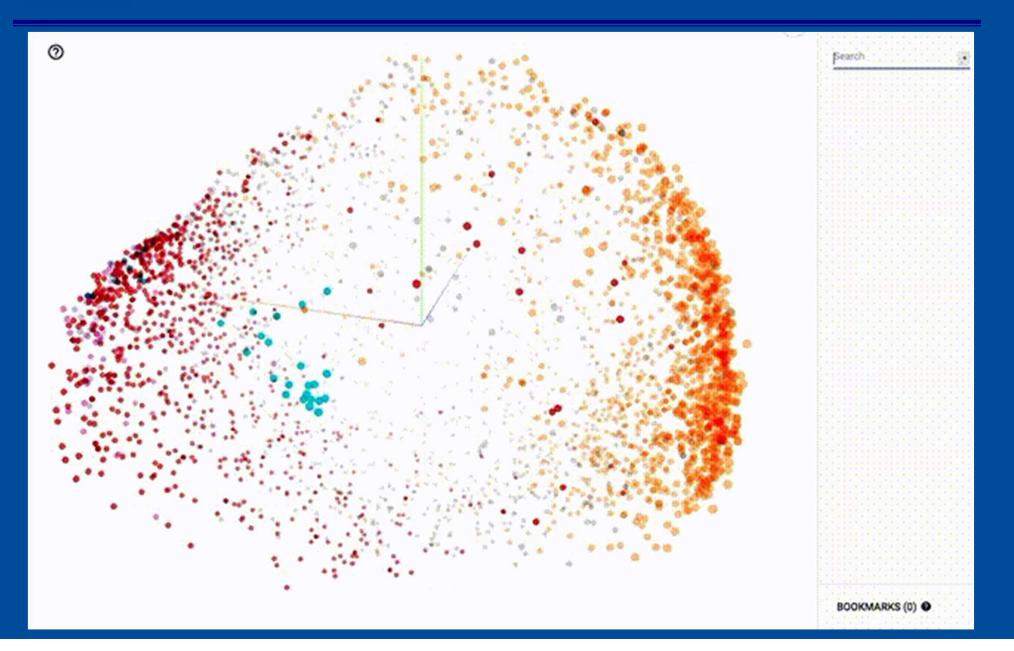


#### Training & Performance Linear Regression



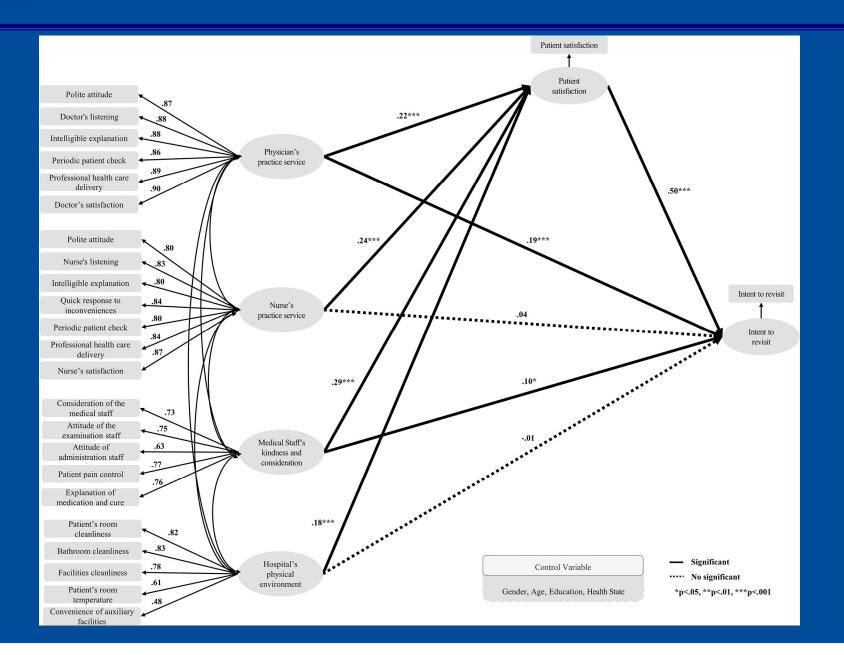


#### **Multiple Regression**



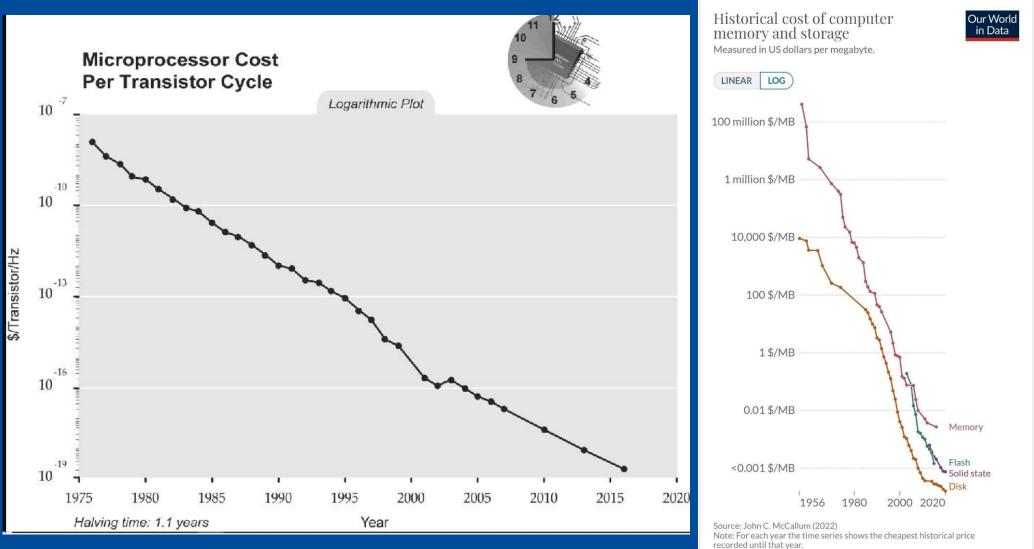


#### **Path Analysis**





#### It's all about the cost



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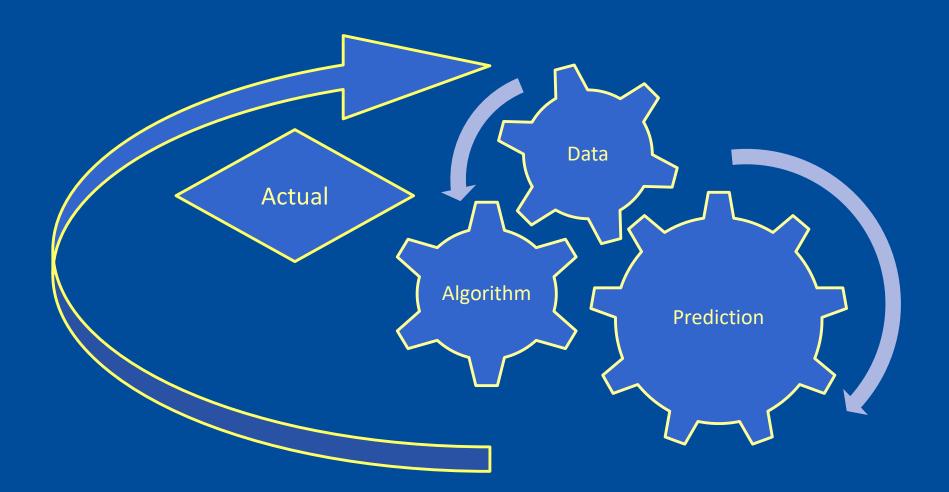


#### **Training Data**



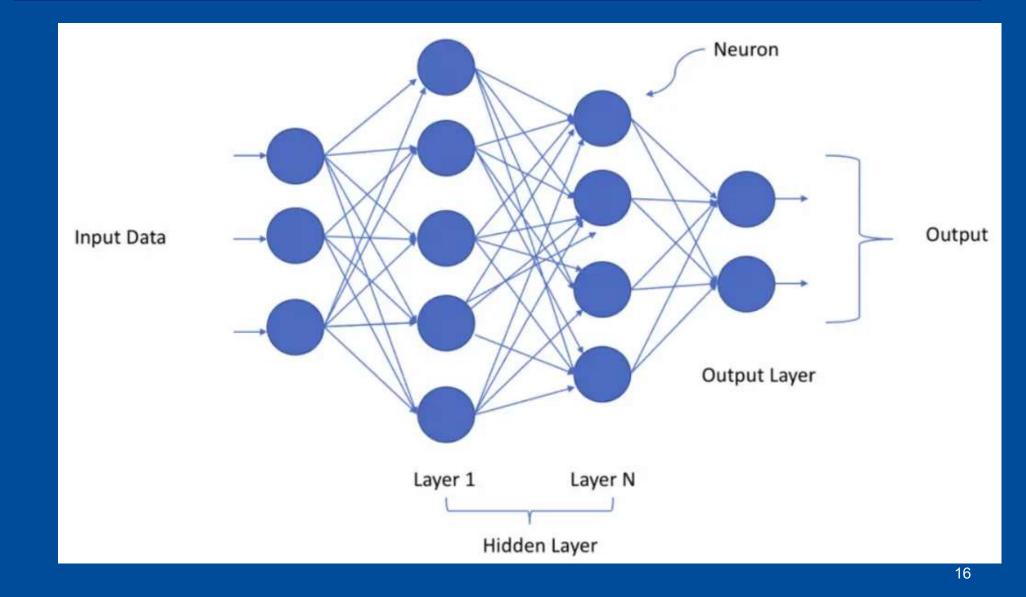


#### **Machine Learning**





#### **Neural Networks**





#### Why Would Payers Care?

#### Medicare Claims Processing Manual

**Chapter 29 - Appeals of Claims Decisions** 

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#### **Transmittals for Chapter 29**

110 - Glossary

- 200 CMS Decisions Subject to the Administrative Appeals Process
- 210 Who May Appeal
  - 210.1 Provider or Supplier Appeals When the Beneficiary is Deceased
- 220 Steps in the Appeals Process: Overview
- 230 Where to Appeal
- 240 Time Limits for Filing Appeals & Good Cause for Extension of the Time Limit for Filing Appeals 240.1 - Good Cause
  - 240.2 Conditions and Examples That May Establish Good Cause for Late Filing by Beneficiaries
  - 240.3 Conditions and Examples That May Establish Good Cause for Late Filing by



#### **Getting Started**





### Where Are Your Pain Points?

- Repetitive processes and workflows
- Claims
- Revenue cycle
- Denials
- A/R Payments







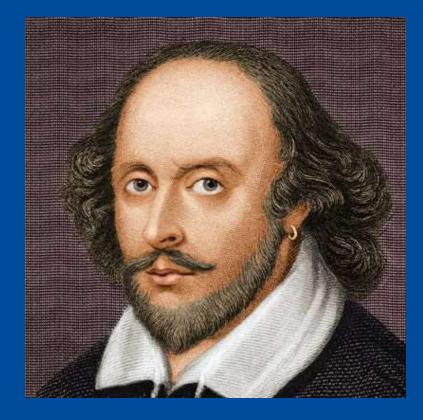
## Your sponsorsHFMA







### What Would Bill Say?





In fair healthcare realm, where providers dwell, A dance of coins and claims, they knoweth well. The revenue cycle, a tapestry grand, Wherein providers and insurers take their stand.

First the patient doth seeketh care divine, And with great hope, their ailments they resign. To the provider's door, they make their way, Seeking solace from pain that doth hold sway.

Then cometh the billing, a complex art, As claims are crafted with utmost heart. Codes and charges, meticulously placed, To ensure reimbursement is embraced...

# How will Al impact healthcare finance?



- Improved Efficiency
- Fraud Detection
- Predictive Analysis
- Personalized Medicine
- Resource Allocation