



Real AI Transformation

Getting Models into Production

September 2020

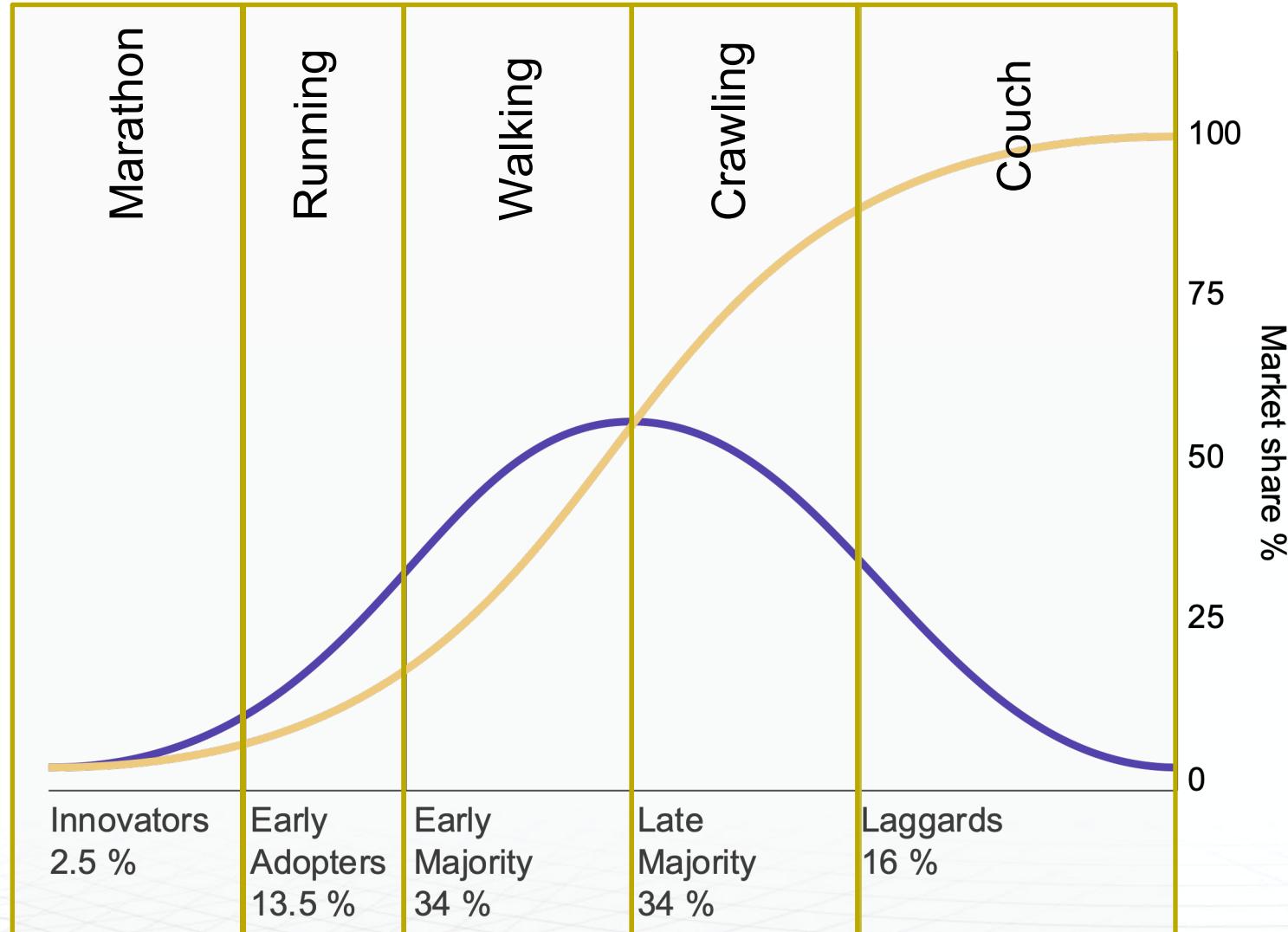
Agenda

- Your Organization
- Your Organization – Defining the Characteristics
- Your Organization – Key Points
- Make Your Own AI Transformation
- Platform Demo

Your Organization

Couch > Crawl > Walk > Run > Marathon

Diffusion of Innovation – Couch to Marathon Analogy



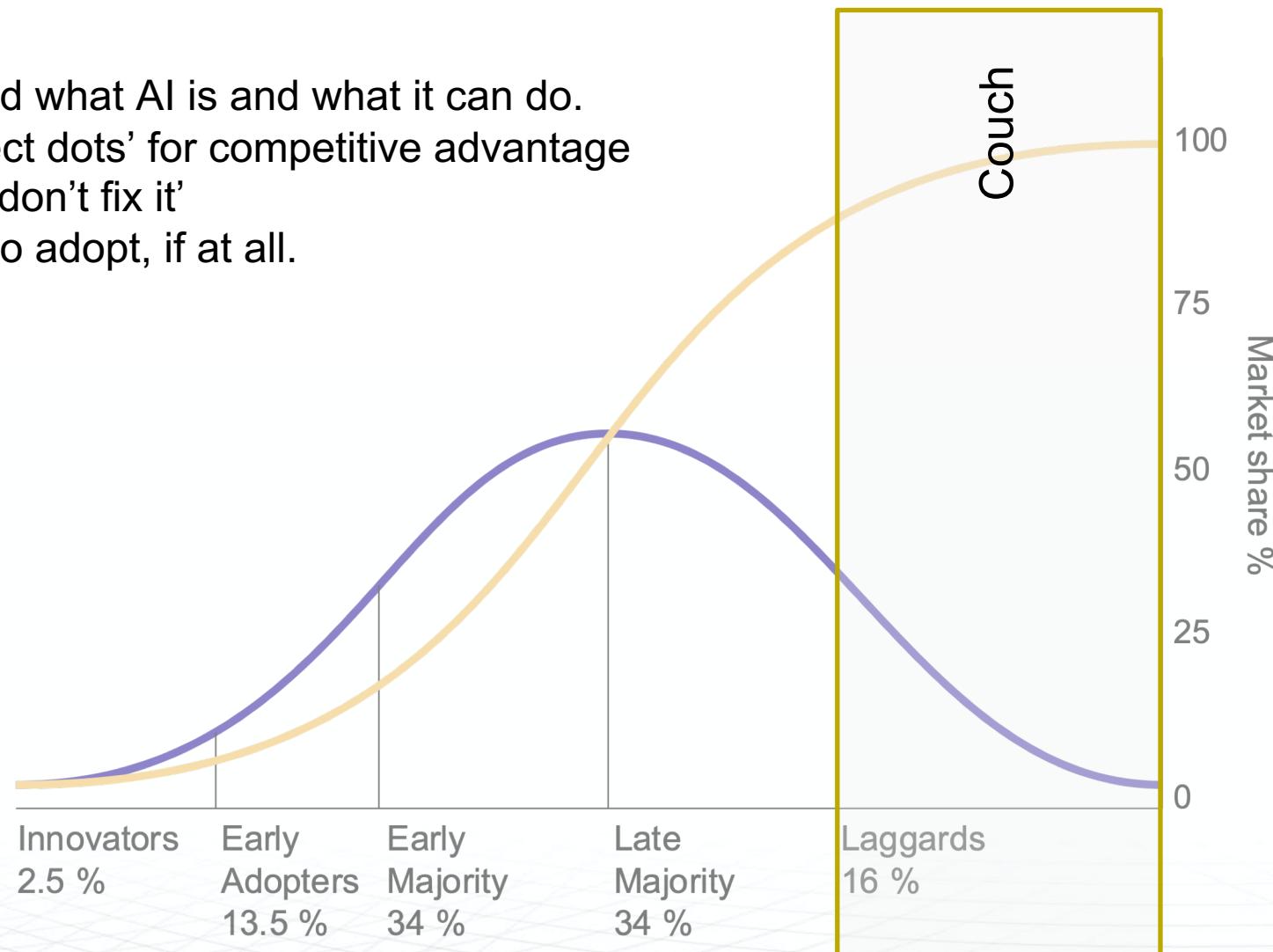
Source: https://en.wikipedia.org/wiki/Diffusion_of_innovations

Your Organization- Defining the Characteristics

Couch > Crawl > Walk > Run > Marathon

Couch Organizations

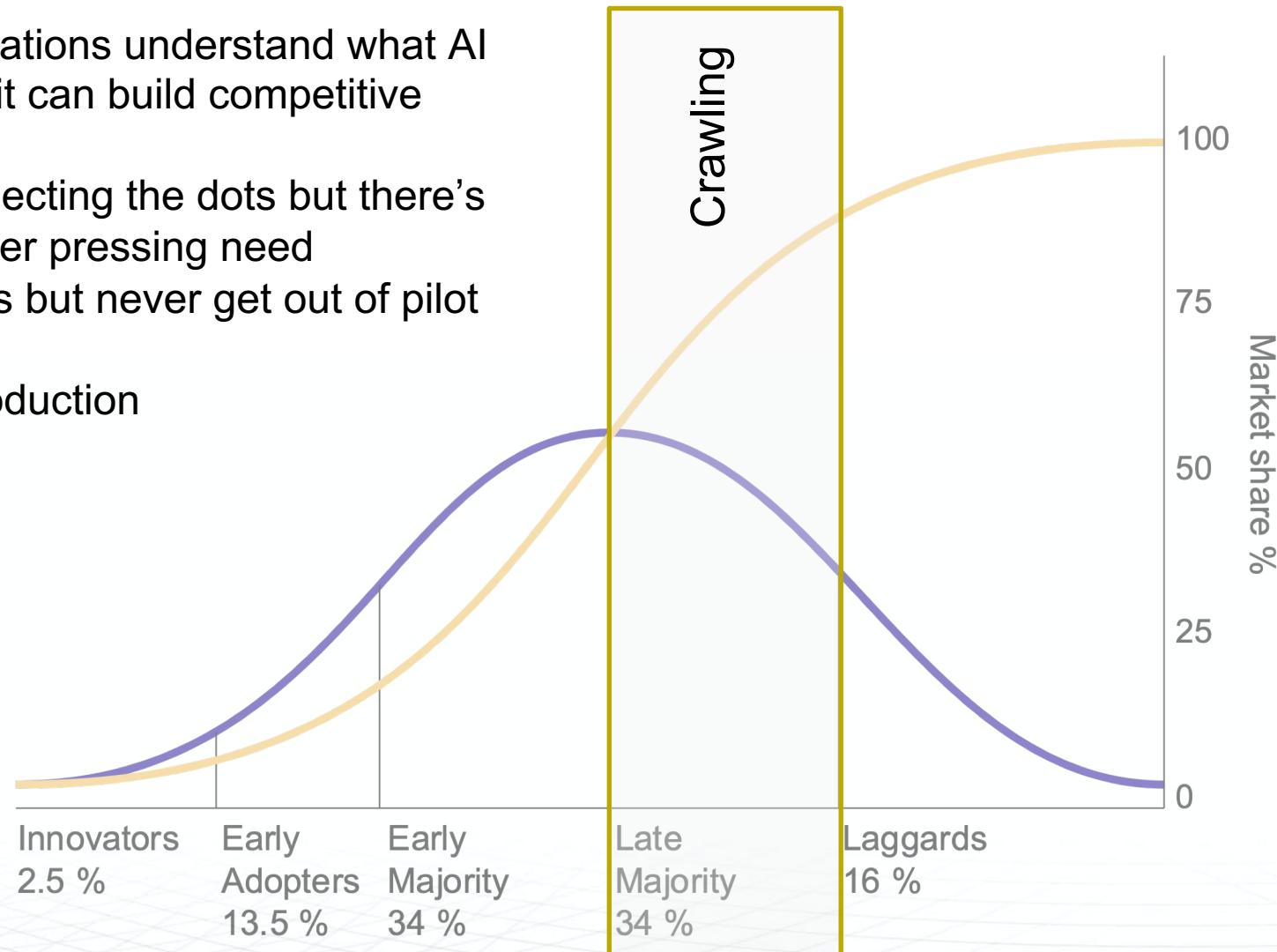
- No AI Adoption
- Don't understand what AI is and what it can do.
- Trying to 'connect dots' for competitive advantage
- 'If it ain't broke, don't fix it'
- Will be the last to adopt, if at all.



Source: https://en.wikipedia.org/wiki/Diffusion_of_innovations

Crawling Organizations

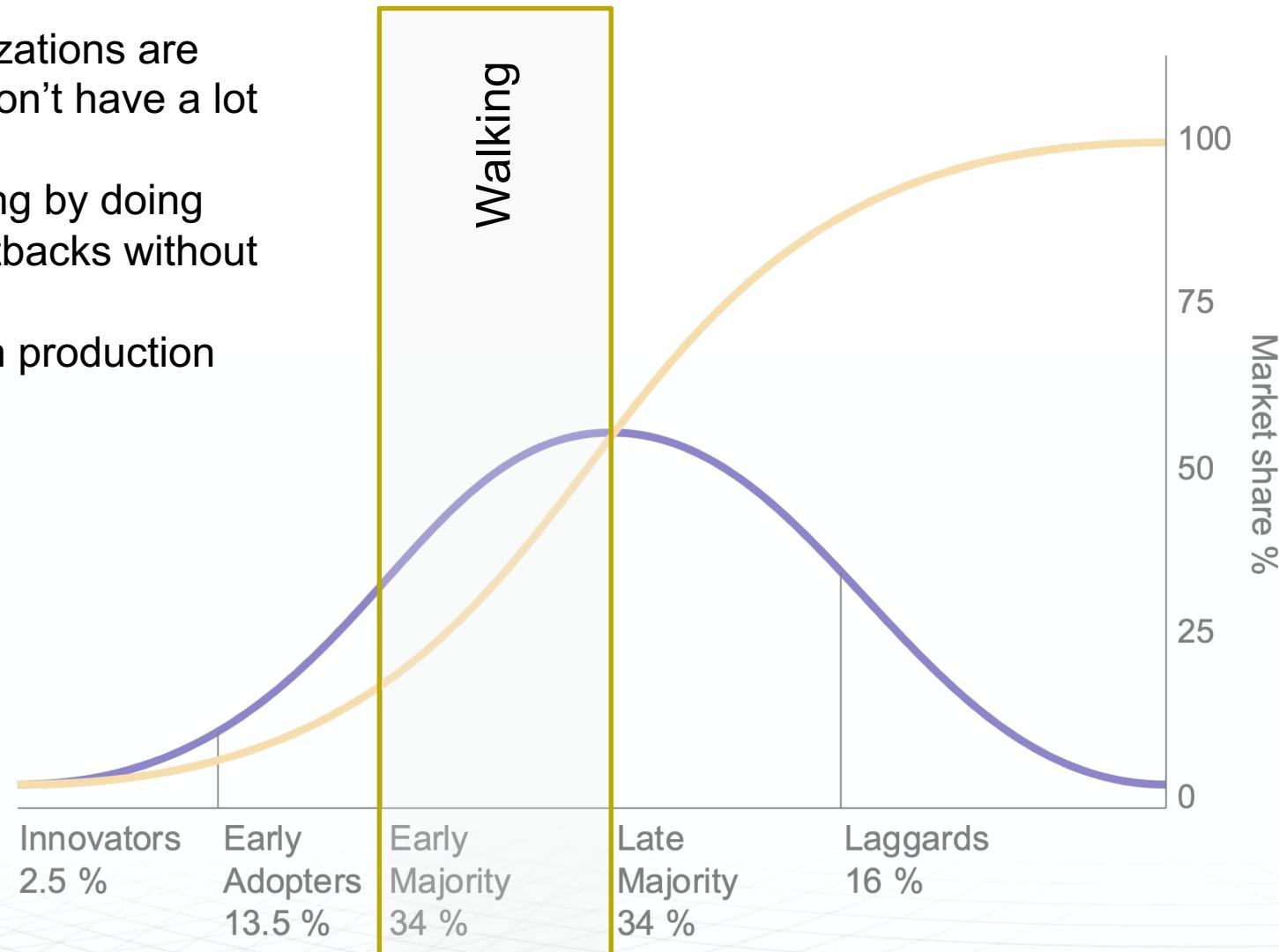
- Crawling organizations understand what AI can do and how it can build competitive advantage
- Working on connecting the dots but there's always some other pressing need
- May build models but never get out of pilot phase
- No models in production



Source: https://en.wikipedia.org/wiki/Diffusion_of_innovations

Walking Organizations

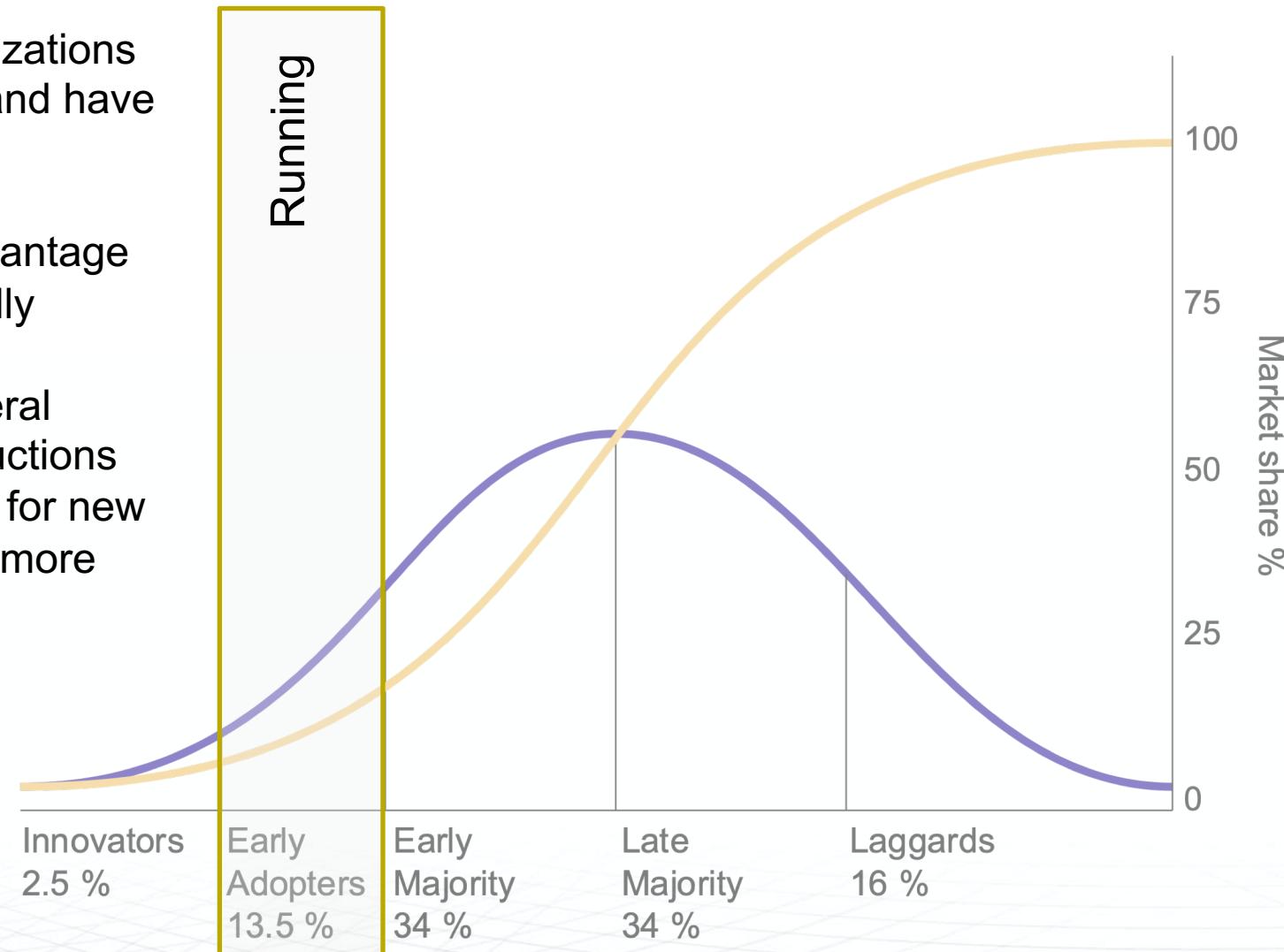
- Walking Organizations are piloting AI but don't have a lot experience
- They are learning by doing
- Can run into setbacks without experts
- Some models in production



Source: https://en.wikipedia.org/wiki/Diffusion_of_innovations

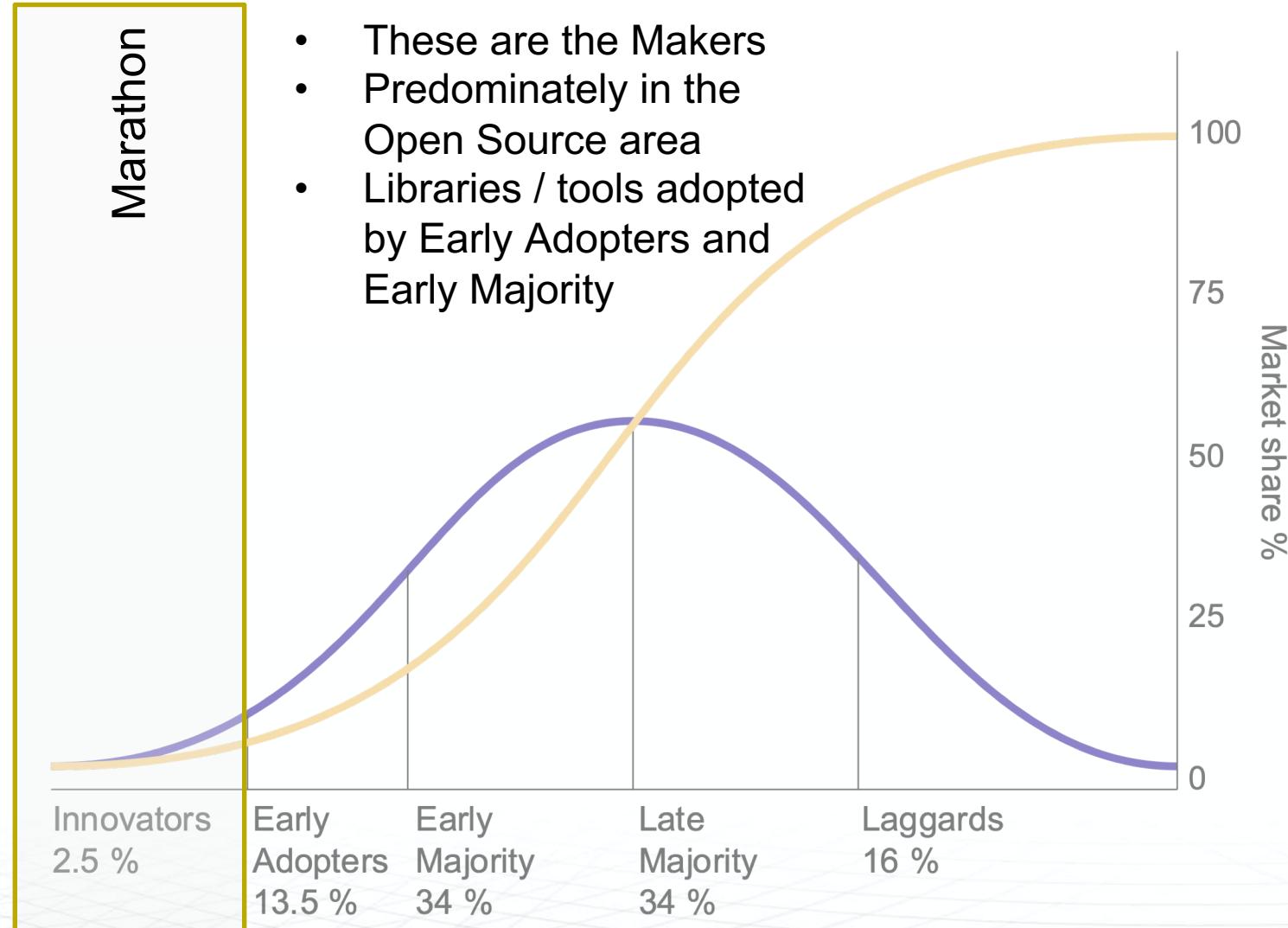
Running Organizations

- Running Organizations understand AI and have adopted it.
- They use it for competitive advantage
- They are typically market leaders
- They have several models in production and are looking for new ways to extract more performance



Source: https://en.wikipedia.org/wiki/Diffusion_of_innovations

Marathon Organizations



Source: https://en.wikipedia.org/wiki/Diffusion_of_innovations

Your Organization- Key Points

Couch > Crawl > Walk > Run > Marathon

Some Key Points



- Innovators (Marathon) engage in high risk product development
- Innovators can ‘own’ the market for a particular technology
- Early Adopters (Running) & Early Majority (Walking) can give legitimacy to Innovator’s products (thought leadership)
- Early Adopters understand that the Innovator’s technology might be high risk and adapt around it
- Early Adopters will test and use in production when Innovator technology has been proven to be effective
- Early Majority will typically look to Early Adopters application of Innovator technology (interviews, trade shows, white papers)

Some Key Points

- Early Majority needs to attract talent to get more models in production
- Early Majority typically ‘steals talent’ away from Late Majority (Crawling)
- Late Majority wants to be like Early Majority / typically they are competitors
- 68% of Innovation Adoption (aka AI Transformation) will be in the Early and Late Majority organizations
- Largest transformation occurs between Early and Late Majority as they seek to fight for market share
- Laggards (Couch) will see a continue to see market share erode

Make Your Own AI Transformation

Couch > Crawl > Walk > Run > Marathon

Upgrade your Organization

- Going from Couch to Marathon is really hard
- It is easier to go from Crawling to Walking than it is straight to Marathon
- Upper level management support is critical
- Breaking of Silos (Data and Business Units)
- Cultural and Corporate Mind Shift
- More models* in production = greater AI Transformation

* FRESH models

Upgrading

From Couch to Crawl

Active Upper Management Support / Champions
Cohesive Data Strategy (breaking silos)
Cultural Changes – Be an AI company
Start Small – AI Apps

From Crawl to Walk

Active Upper Management Support / Champions
Cohesive Data Strategy (breaking silos)
Cultural Changes – Be an AI company
Pilot to Production Programs – Q + Driverless AI

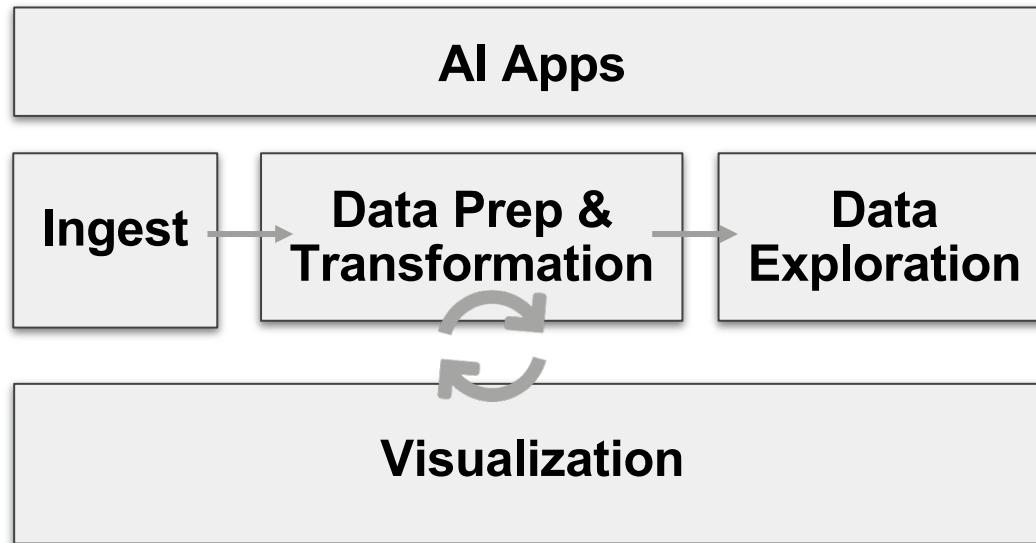
From Run to Marathon

Active Upper Management Support / Champions
Cohesive Data Strategy (breaking silos)
Cultural Changes – Be an AI company
Shape an AI ecosystem

From Walk to Run

Active Upper Management Support / Champions
Cohesive Data Strategy (breaking silos)
Cultural Changes – Be an AI company
Deploying “Low to High Hanging Fruit” models – Q + Driverless AI + H2O-3 + ML Ops

Automating Data Science and ML Workflows



Business Analyst

- Q Platform uses pre-built AI Apps to allow organizations to harness the power of AI. Bring Your Own Data and Get Insights!
- Recommended for Couch (Laggards) and Crawling (Late Majority) Organizations
- Putting the Organization on a solid footing to ‘connect the dots for AI transformation’.

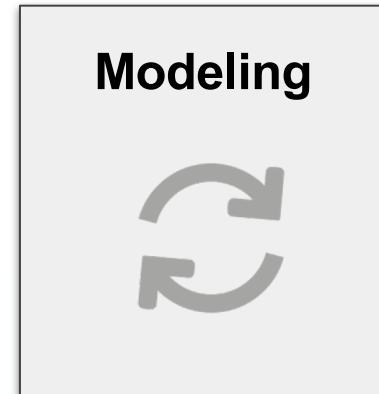
H2O Q

H2O.ai Platform

Automating Data Science and ML Workflows

H₂O.ai

- H2O-3 / Sparkling Water / Driverless AI + Q with Enterprise Support
- Recommended for Early & Late Majority Organizations. Used by Early Adopters extensively.
- BYOR / Visual AI / NLP / Time Series / MLI
- Dots on AI Transformation are connected
- Putting Models into Production



Deployment Options:

- Rest Servers
- SnowFlake Integration
- MOJO (Java, C++)
- Python Scoring Pipeline
- In DB scoring
- Platform and Cloud Agnostic



H2O Q

H2O Driverless AI

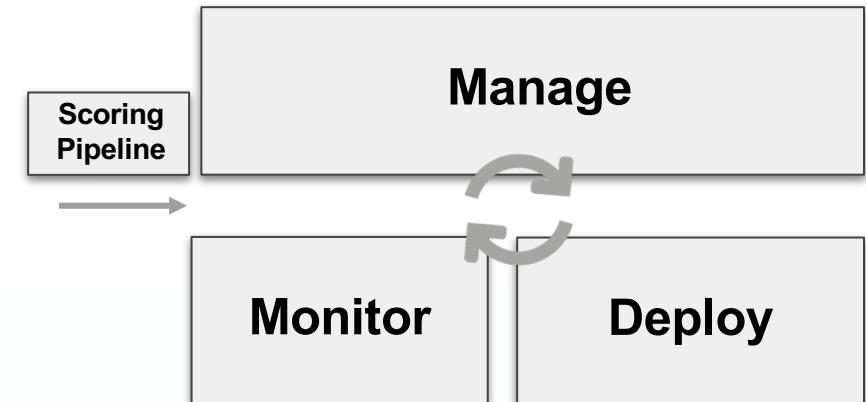
H2O-3

H2O.ai Platform

Automating Data Science and ML Workflows



- Full E2E Life Cycle with H2O-3 / Sparkling Water / Driverless AI + Q / Model Ops with Enterprise Support
- Recommended for Early Adopters and Early Majority Organizations.
- AI Transformation in Progress (Training for the Marathon!)
- Models in Production



H2O Q

H2O Driverless AI

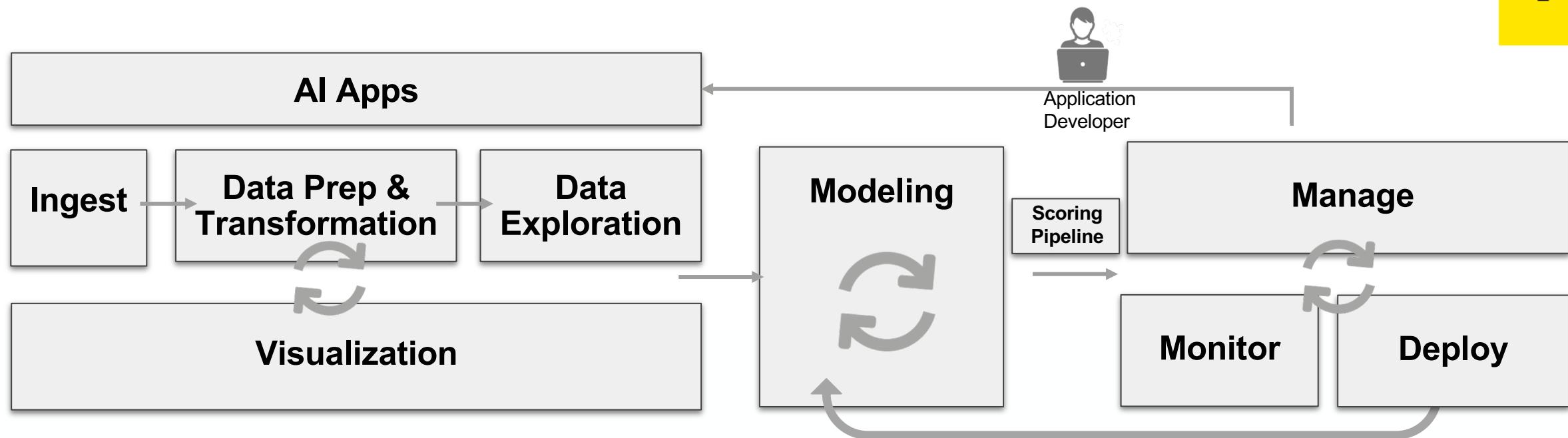
H2O ModelOps

H2O-3

H2O.ai Platform

Enterprise Puddle
Enterprise Steam

Automating Data Science and ML Workflows



Business Analyst



Data Scientist



devOps Engineer

H2O Q

H2O Driverless AI

H2O ModelOps

H2O-3

H2O.ai Platform

Enterprise Puddle
Enterprise Stream

Platform Demo

Q & A

Take Driverless AI for a Test Drive

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Free Trial Today**

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