I'm Speaking at IA USA
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1884
INTELLIGENT
AUTOMATION
EXCHANGE
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#IAExchange

Employing Intangible Efficiencies: Focusing On The Bigger Picture Through Financing Smarter AI & ML Solutions

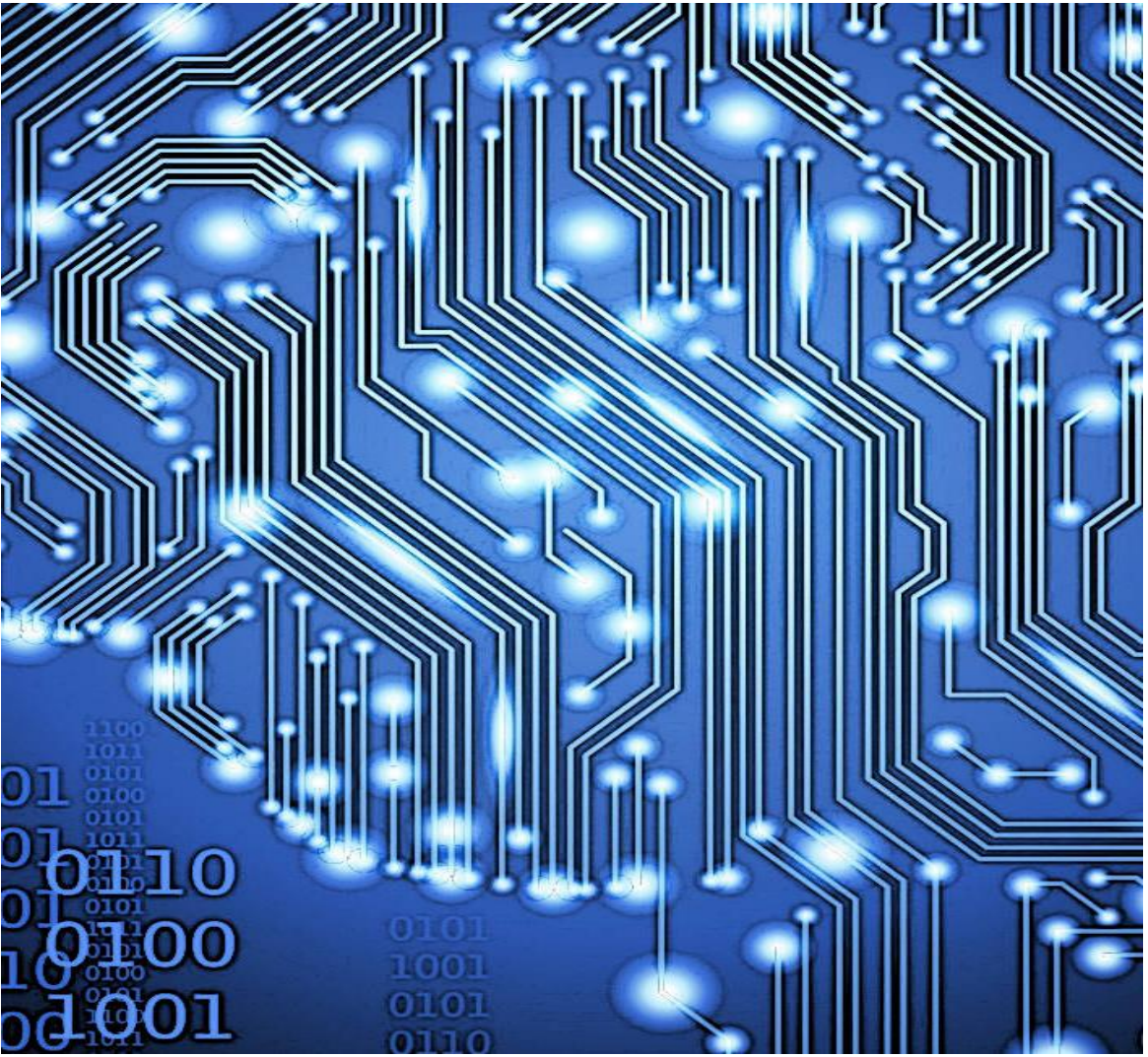
With AI & ML technologies becoming increasingly capable, now is a great time to invest in those which handle admin-heavy tasks so your employees can focus on core responsibilities, eliminating waste of resources.

This discussion will provide various insights into strategies to adopt when understanding which work for your business model and goals, as well as how to road-map implementation.

- Why soft skills makes your talented workforce irreplaceable
- Collaborating your robotic workforce capabilities with your employees for continuously increasing ROI
- Reducing time wasted by employees through technological efficiencies
- Supporting scale across your business

AI is on its path to becoming the most transformative technology

Artificial Intelligence and Machine Learning

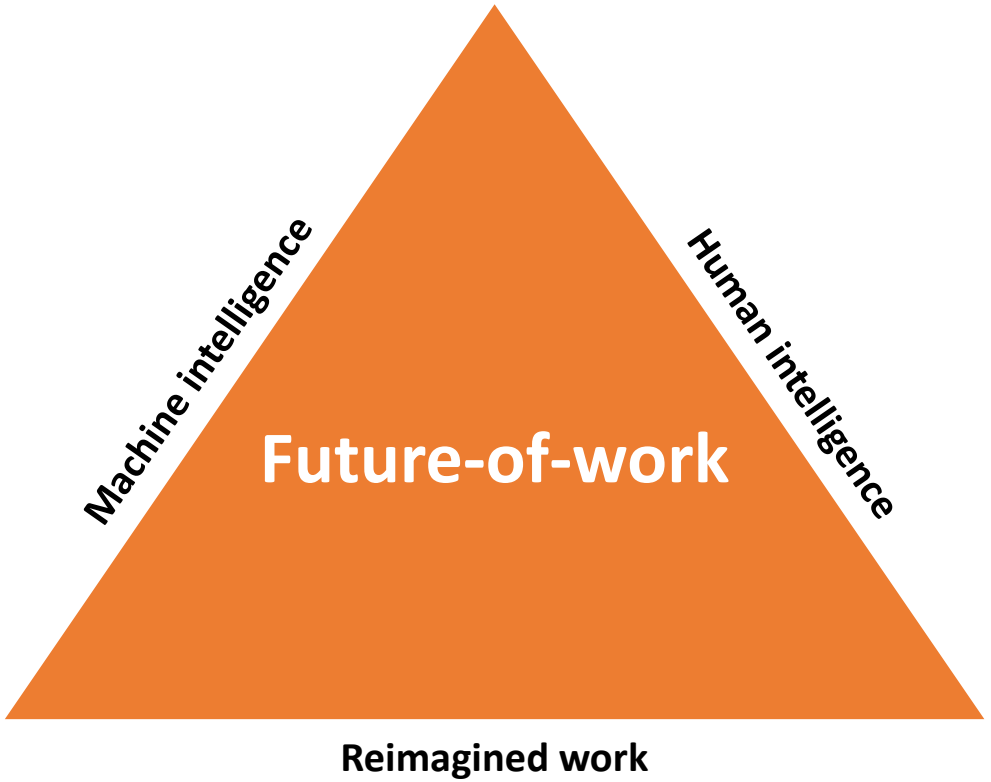


Tasking the machines and empowering our people

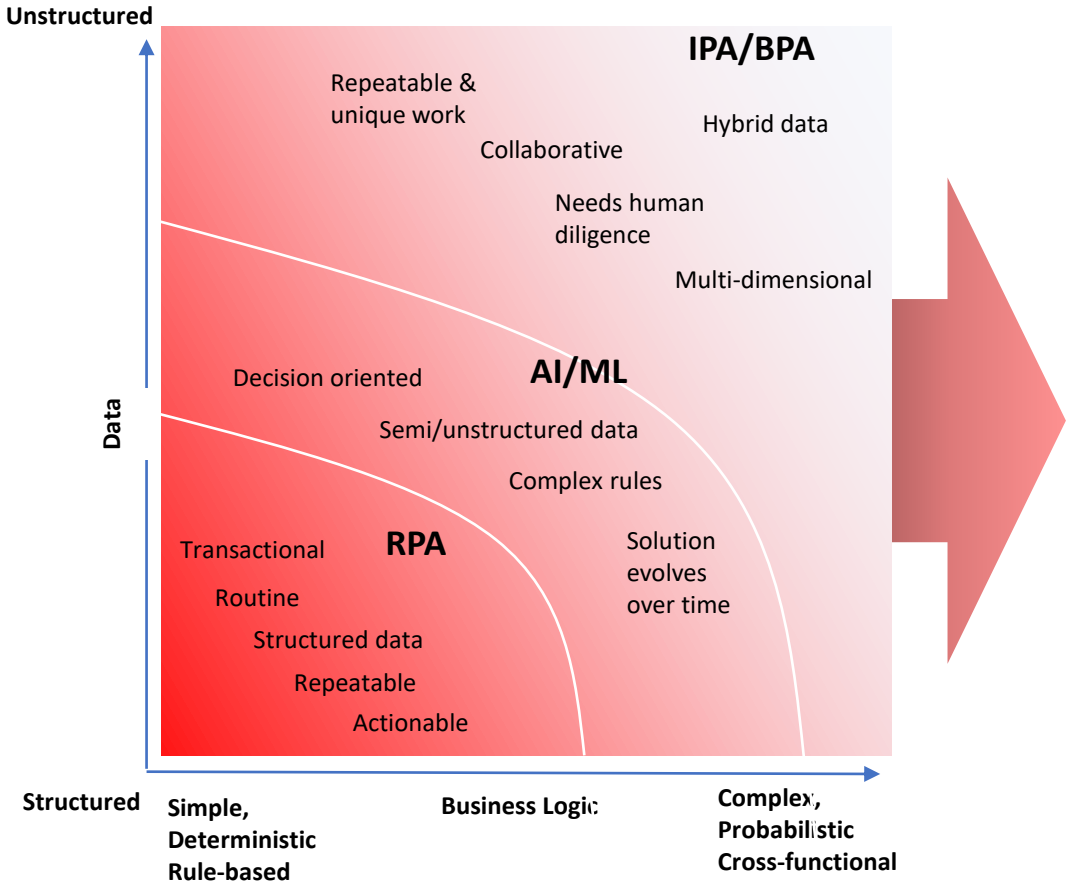
- Autonomous vehicles
- Intelligent digital assistants
- Cybercrime fighting
- Telemedicine
- Medical imaging
- Credit decisions
- Underwriting

Intelligent Optimization: The pathway to “Future of work”

- ✓ Improved efficiency and Speed-to-value
- ✓ Shift work to be more value added
- ✓ Making better use of available resources
- ✓ Better start-to-finish experiences



The “Intelligence” in Optimization



Automating admin-heavy work

Insights and Intelligence

Personalization

Prioritization

Applications of AI in Healthcare

- Patient engagement
- Telemedicine
- Virtual care /clinical trials

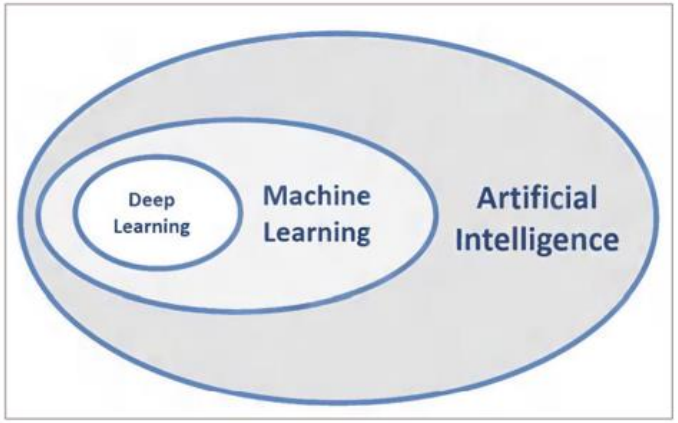
- Virtual Physician Assistance
- Medical imaging
- Clinical documentation

- Revenue cycle management
- Charge capture, billing and Claims

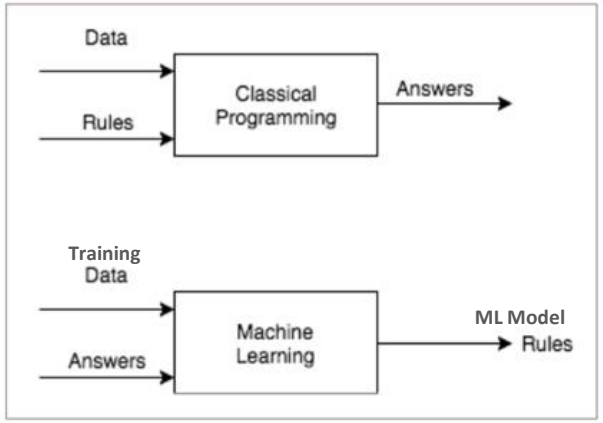
- Digitization of patient files, reports, and images
- Document automation and compliance

How does AI work?

The concept of AI / ML



The paradigm shift



"The 3 Lines of Code"

```
#Decision Trees
from sklearn import tree
model = tree.DecisionTreeClassifier()
model.fit(X_train, y_train)
```

```
#Random Forest
from sklearn import ensemble
model = ensemble.RandomForestClassifier()
model.fit(X_train, y_train)
```

```
#Support Vector Machines
from sklearn import svm
model = svm.SVC()
model.fit(X_train, y_train)
```

Source: HC AI, O'Reilly, IBM

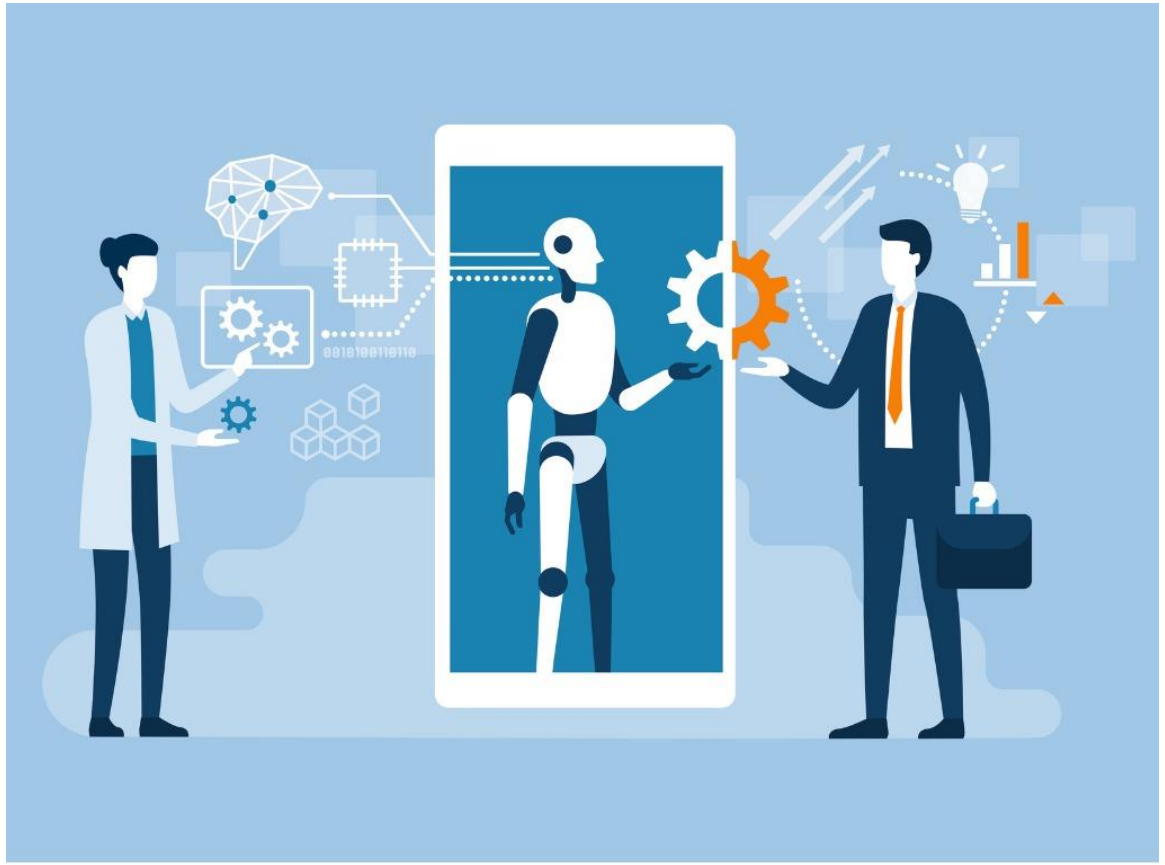
Advancements in the field of AI

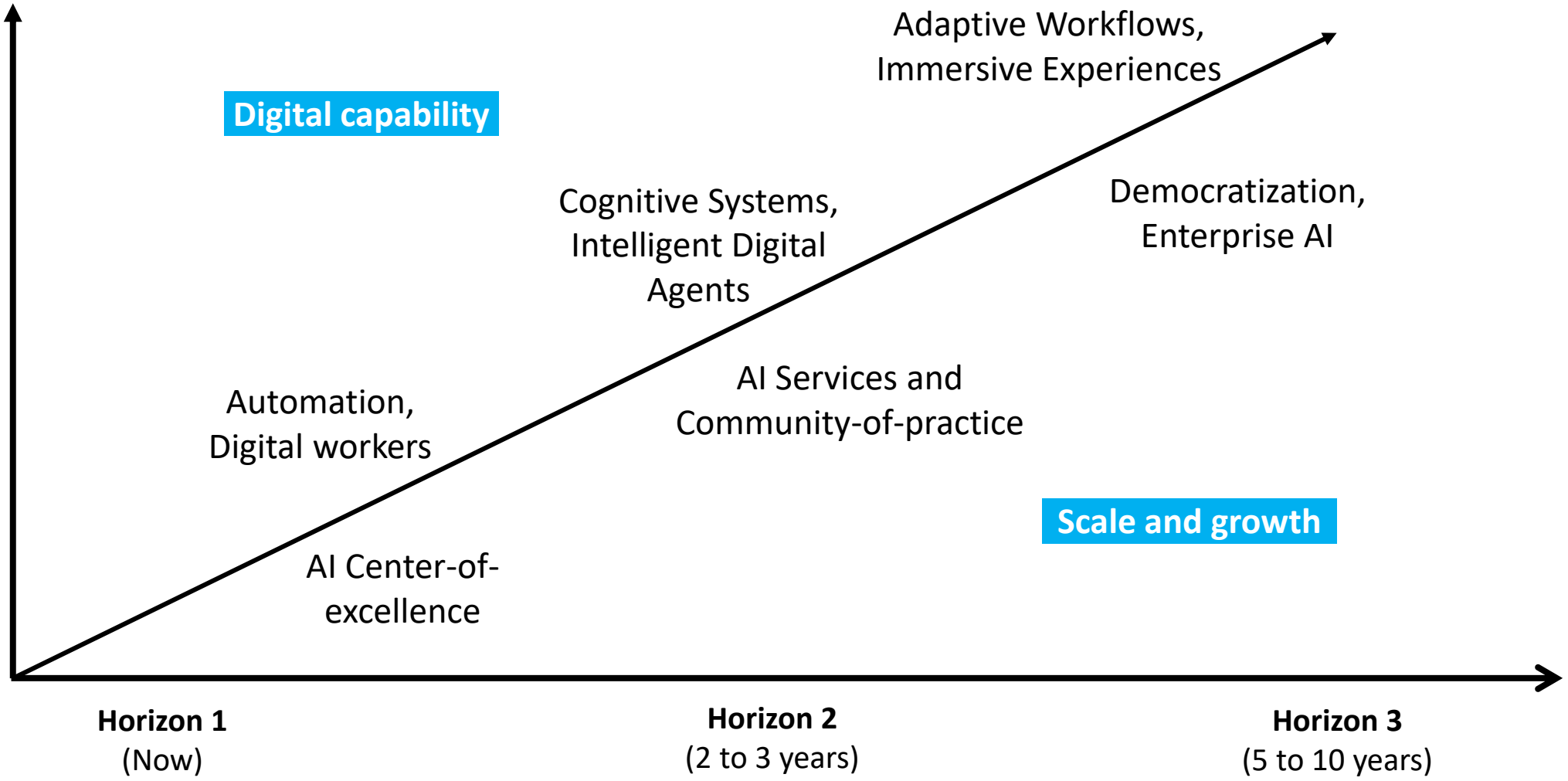
- AutoML & AutoAI
- Low-code / No-code AI
- Language modeling (LM)
- Creative AI
- AI in Metaverse

What if AI goes wrong?

- ❑ Lending algorithms incorrectly analyzing loan applications
- ❑ Speech recognition systems failing to recognize accent
- ❑ Facial recognition AI leading to false positives in criminal investigation
- ❑ Self-driving vehicles causing accidents
- ❑ AI screening rejecting women and other minority candidates

Humans have a bigger role to play in the AI World



1. T-shaped skills
2. Frame the “AI challenge” correctly
3. AI ethics
4. Be the “Human in the loop”
5. Focus on what we do better than machines
6. Govern AI systems

The roadmap to AI-led future-of-work