Artificial Intelligence and the Future of Work

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Building a Predictive Model... for an Ice Cream Shop
Prediction Powered by Data

Structured and unstructured data improves predictive power, decisions and outcomes
Enterprise Transformation

The Cognitive Enterprise is multifaceted, requiring continuous refinement and adapting
A Scalable Approach to Enterprise Transformation

- Recommendation Engine
- Sales Lead Passing
- Pricing Analytics
- Risk Insights

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Unleashing Insight with AI
Accelerating Precision Oncology
The experience from the manufacturing sector cannot be extrapolated to the broader economy.

AI is new technology that provides for smarter decision making and improved productivity.

AI is transformative as another in a long series of technologies; but change happens slowly.
Global Economic Transformation

Dramatic demographic shift

Global competition continues to intensify
Shaping the Future

AI needs to be ushered in responsibly and thoughtfully

Focus on new education model

Six-year high school program
P-TECH

New Collar Jobs

125 schools around the world with 10K students in seven US states

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Shaping the Future

Mid-career transition

IBM commitment to $1.0B in training through 2020 for new in-demand skills

Partner with US community colleges for new apprenticeship training

Hire 25K by 2020 in US with 2K veterans of America’s military
Shaping the Future

New social contract

Business
Skill development

Government
Education & training

Workers
Lifelong learning

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IBM: Three Principles for Ethical AI

Purpose: Augment human intelligence

Skills: Made readily and widely available

Transparency: When and where AI systems are applied, trained and data sourced