

The 4IR is characterized by a **fusion** of technologies that is **blurring** the lines between the **physical**, **digital** and **biological** spheres.

Original Image

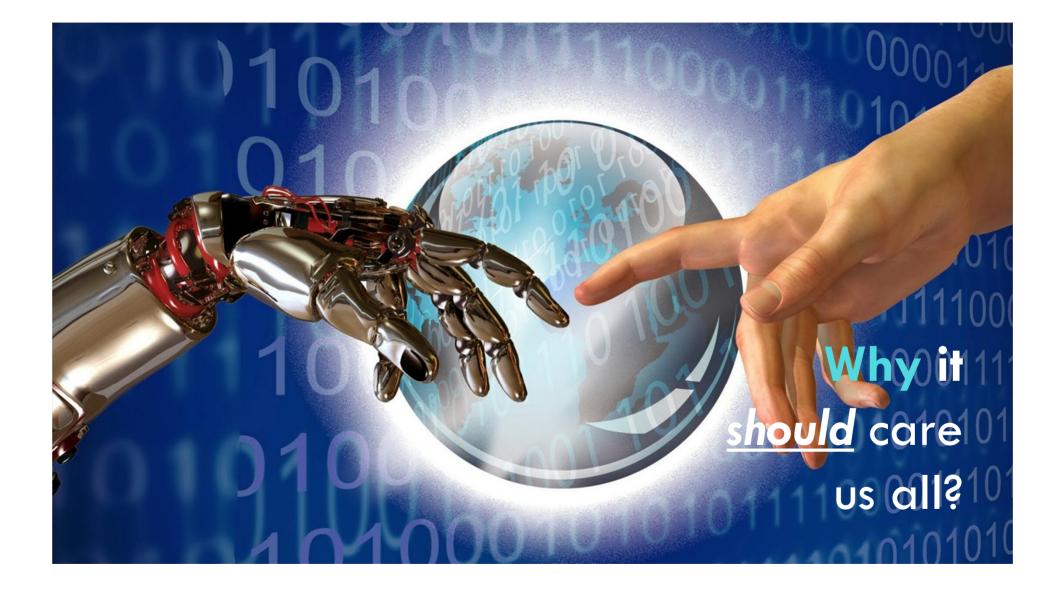
Image Reconstructed From Bacteria

These overlapping technologies will define our lives in the decades to come.

- Genetics revolution will allow us to reprogram our own biology.
- Nanotechnology will allow us to manipulate matter at the molecular and atomic scale.
- Al will allow us to create a greater than human non-biological intelligence.

Original Image

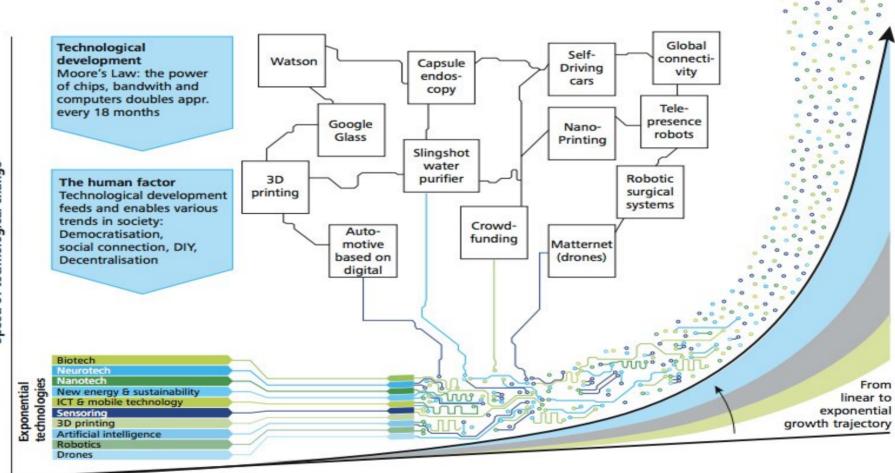
Image Reconstructed From Bacteria

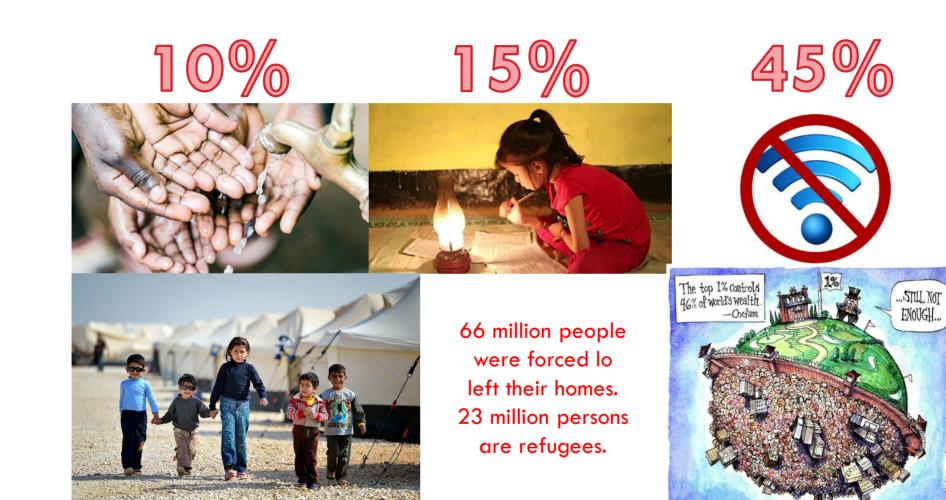


Because it will change everything, not only the idea of what a human being is but also the very foundations upon our society is built on.





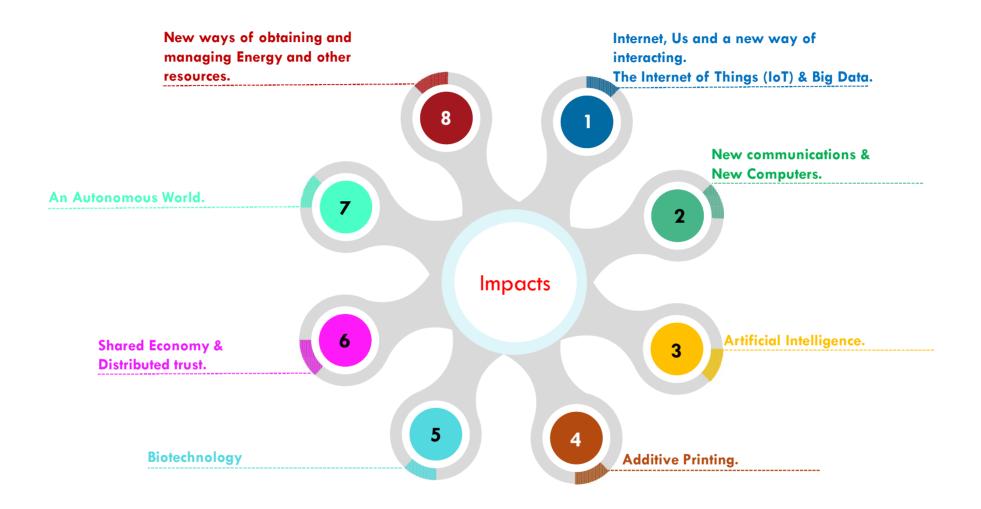




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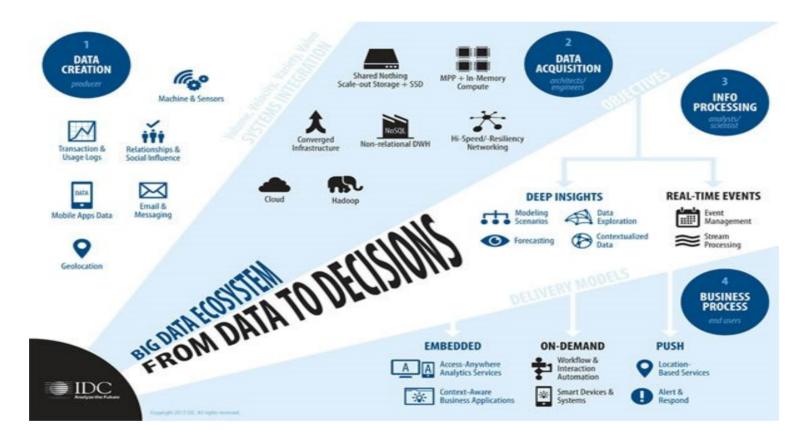


The importance of regulators and regulations



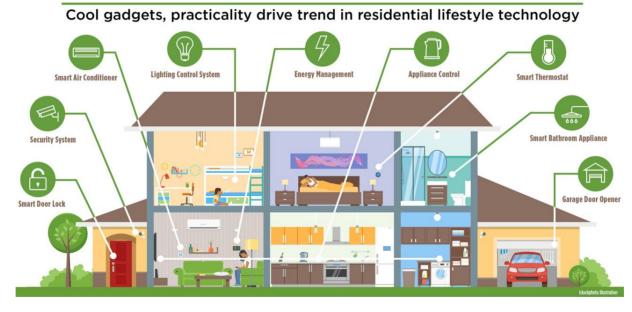
Big Data & IoT...

...should start changing insurance companies



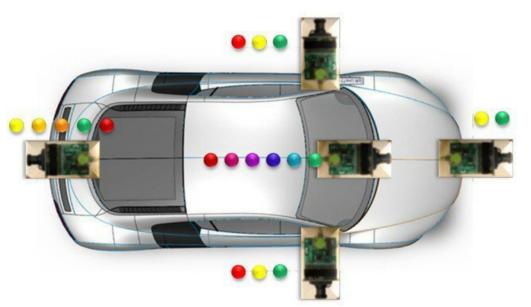
Homes and factories will start to change with the IoT... ...and so it will change (P&C) insurance industry

HOME, SMART HOME



Smart cars are already changing...

...and so it will change (cars) insurance industry



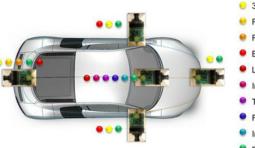
3D Surround View
Rear View Camera
Rear Cross Traffic
Blind Spot Detection
Lane Departure Warning
Intelligent Headlamp Control
Traffic Sign Recognition
Forward Collision Warning
Intelligent Speed Control
Pedestrian Detection

Smart cars are changing...

...and so it will change insurance industry

The product is moving from post-event forensics to pre-event prevention.

In the future the product will include less and less of the loss compensation element and more services designed to avoid/mitigate losses.



- 😔 3D Surround View
- Rear View Camera
- Rear Cross Traffic
- Blind Spot Detection
- Lane Departure Warning
- Intelligent Headlamp Control
- Traffic Sign Recognition
- Forward Collision Warning
- Intelligent Speed Control
- Pedestrian Detection



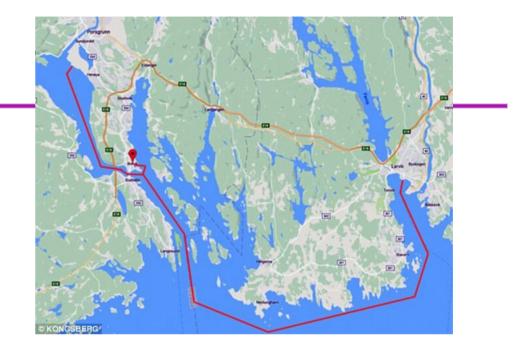


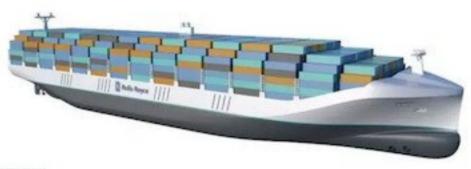


The autonomous ship YARA Birkeland.



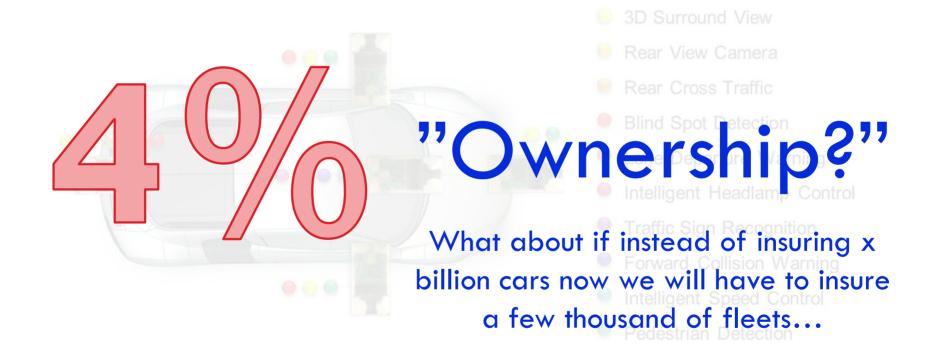






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Autonomous vehicles will entirely re shape the new economy to come...





Preventing diseases for \$199







you can't.

Health risks

Understand your genetic health risks.

Change what you can, manage what

Carrier status

Find out if your children are at risk for inherited conditions, so you can plan for the health of your family.



Health tools

Document your family health history. track inherited conditions, and share the knowledge. male pattern baldness.

Inherited traits Explore your genetic traits for

Scientific advances Keep receiving updates on your DNA as everything from lactose intolerance to discoveries are made, so your knowledge grows as you do.

medications.

Drug response

Arm your doctor with information on

how you might respond to certain

Personal Genome Service[™] Get to know your DNA. All it takes is a little bit of spit.



Disease Risks (100)

1. Order a kit from our online

store



2. Register your kit, spit into the

tube, and send it to the lab.





Welcome to You.

4. Log in and start exploring your genome.

Carrier Status (24) 🕐

your DNA in 6-8 weeks.

3. Our CLIA-certified lab analyzes

Elevated Risks	Your Risk	Average Risk
Gallstones new	11.1%	7.0%
Restless Legs Syndrome	2.5%	2.0%
		more
Decreased Risks	Your Risk	Average Risk
Prostate Cancer 👩	12.7%	17.8%
Alzheimer's Disease new	4.9%	7.2%
Colorectal Cancer	4.2%	5.6%
		mores
	See all	100 risk reports

Does Not Flush

Can Taste

Likely Brown

Slightly Curlier Hair on Average See all 50 traits.

Wet

Traits (50) 🕜 Alcohol Flush Reaction Bitter Taste Perception Earwax Type Eye Color

Hair Curl 🔆

Variant Present Hemochromatosis Alpha-1 Antitrypsin Deficiency Variant Absent Bloom's Syndrome Variant Absent BRCA Cancer Mutations (Selected) Variant Absent Canavan Disease Variant Absent Cystic Fibrosis Variant Absent Familial Dysautonomia Variant Absent Factor XI Deficiency Variant Absent See all 24 carrier status...

Drug Response (19)

Warfarin (Coumadin®) Sensitivity
Abacavir Hypersensitivity
Alcohol Consumption, Smoking and Risk of Esophageal Cancer
Clopidogrel (Plavix®) Efficacy
Fluorouracil Toxicity

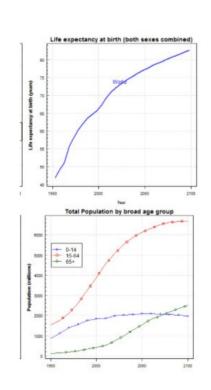
See all 19 drug response...



We will start cheating death...

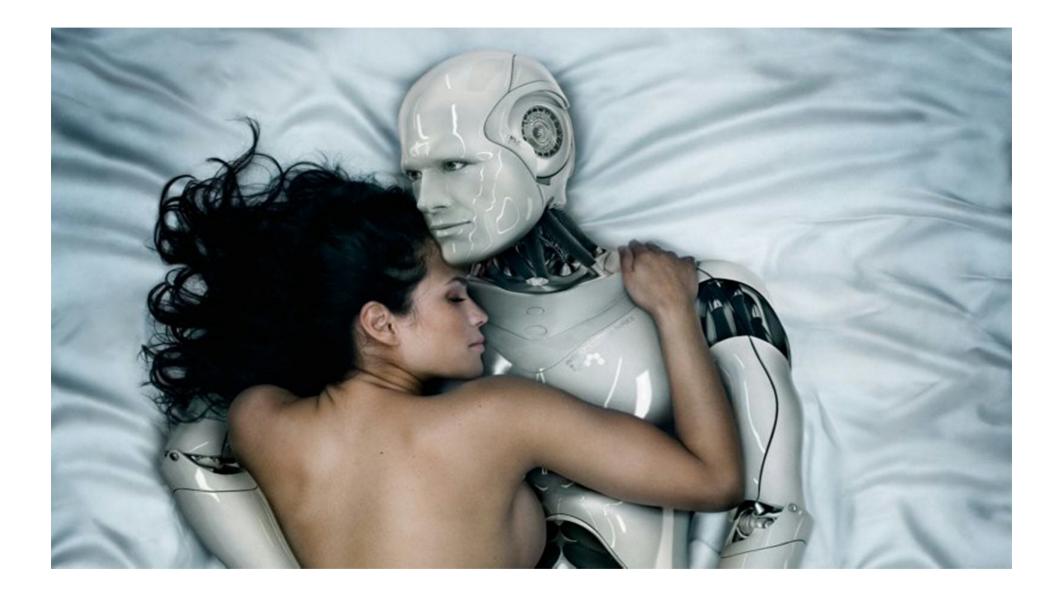
... so how it would affect (Life) insurance industry





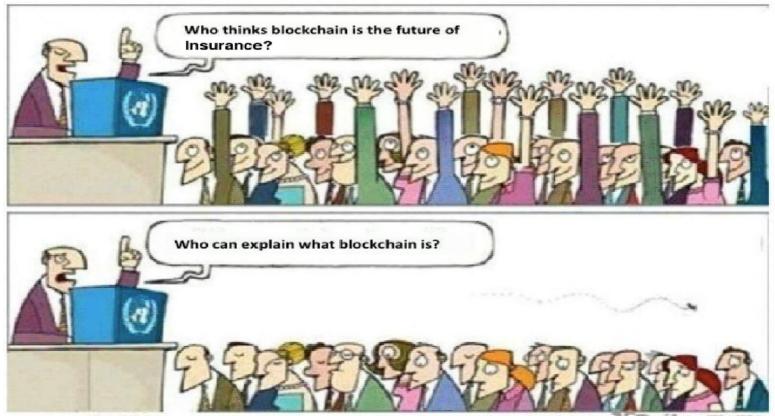
- 3 3D Bio Printing
- 3 Use of AI in medicine
- 3 Predictive genetic testing...
 - 3 might lead to adverse selection through asymmetry of information. .





Last but not least...

... what about Blockchain?



qcme.me/ZGtjZGL

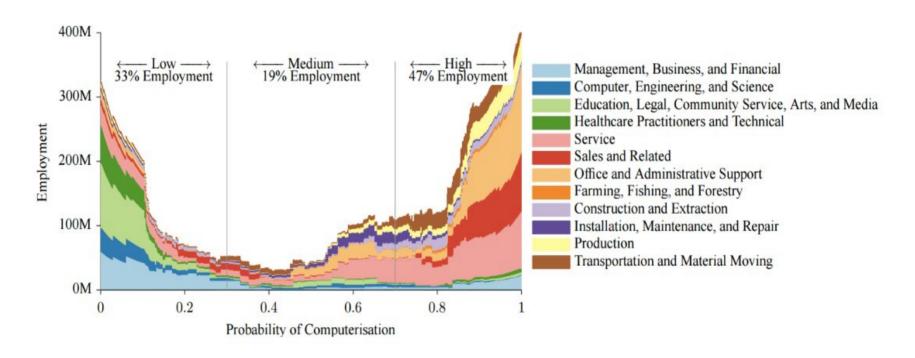
créé sur e Québecmeme

Last but not least...

... what about Blockchain?



And what about Al?



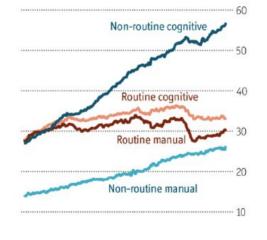
* Distribution based on 2010 job mix.

Source: Frey, C.B. and M.A. Osborne, "The Future of Employment: How Susceptible Are Jobs to Computerisation?", 17 September 2013

And what about Al?

Think

United States employment, by type of work, m



0 1983 90 2000 10 14 Sources: US Population Survey; Federal Reserve Bank of St. Louis

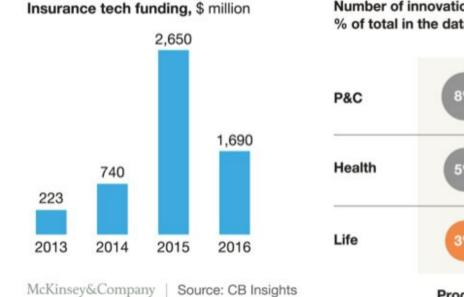
Economist.com

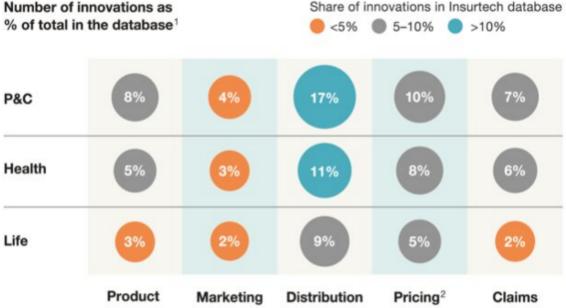


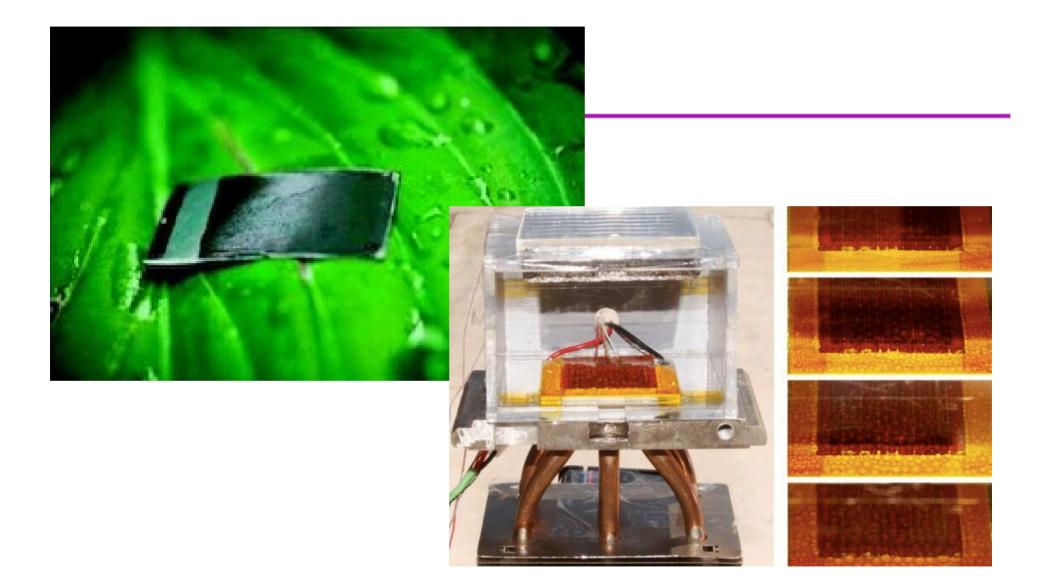
The incipient world of InsurTech...

The growth of insurtechs.

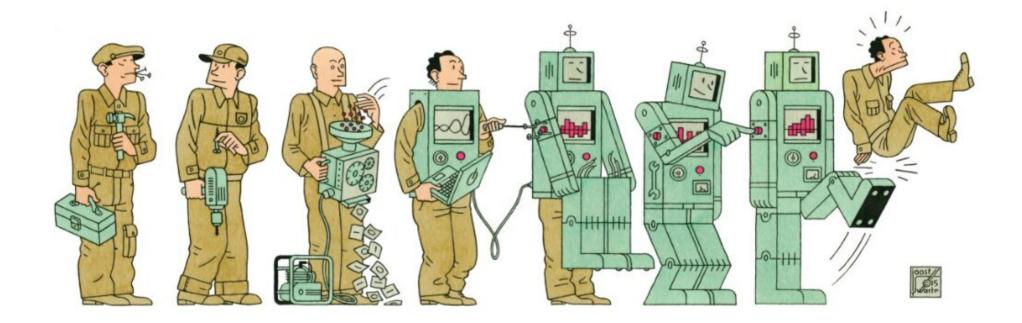
Where insurtechs are focusing.



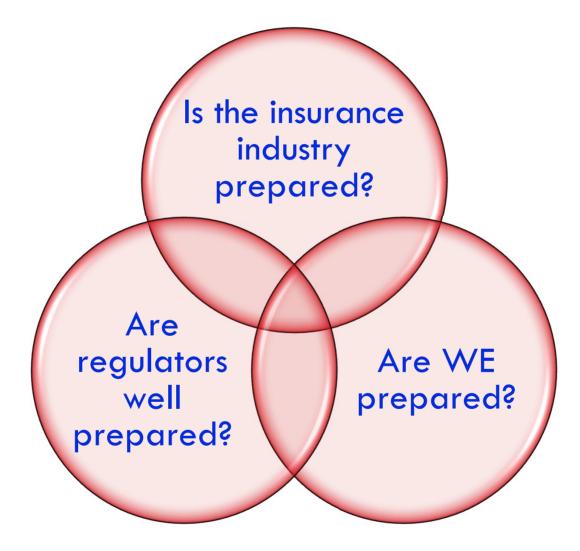


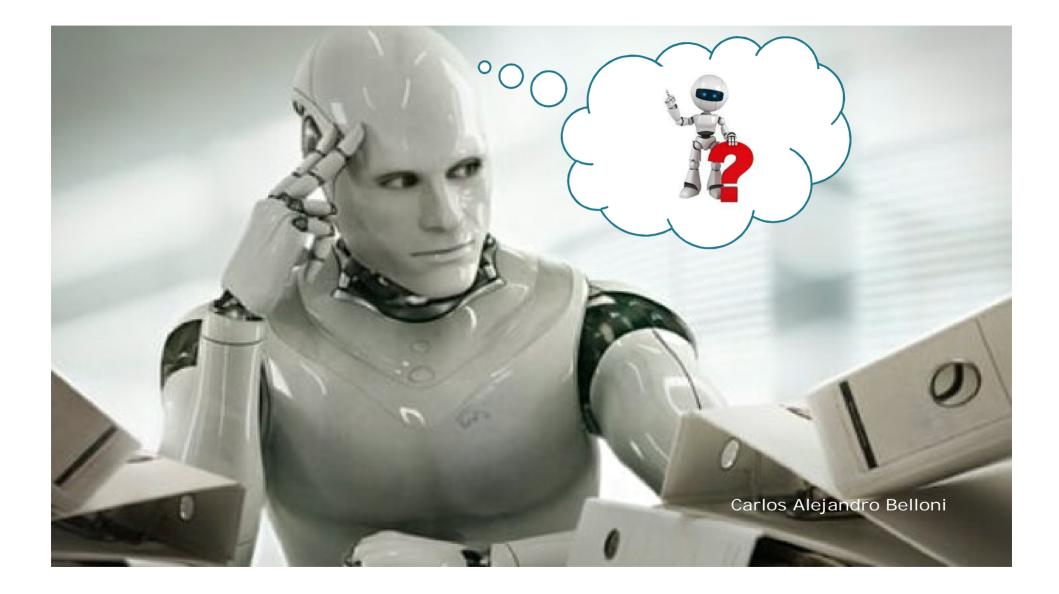




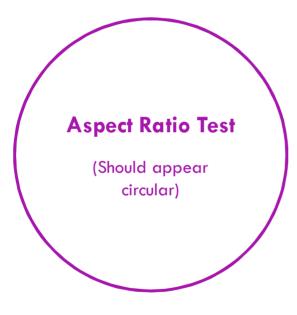


We have to figure out how to avoid 0 being displaced by ê technology... \odot 0 ...and A +++++++++ instead, how (0 we can get the most of it for everyone.





Test Resolution Slides



- To present in true widescreen, you'll need a computer and, optionally, a projector or flat panel that can output widescreen resolutions.
- Common computer widescreen resolutions are 1280 x 800 and 1440 x 900. (These are 16:10 aspect ratio, but will work well with 16:9 projectors and screens.)
- Standard high definition televisions resolutions are1280 x 720 and 1920 x 1080.
- Use the Test Pattern on the next slide to verify your slide show settings.

