

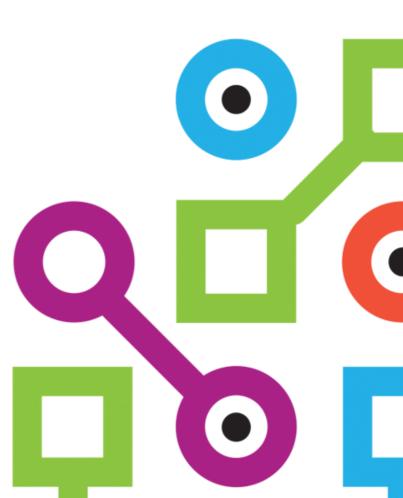
Smarter**Analytics**

FINANCE & TECHNOLOGY Robo-advisors and Goal-based Investing



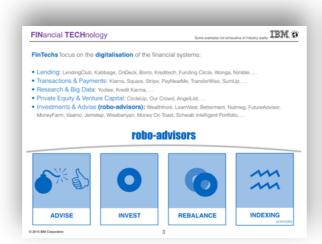
Paolo Sironi IBM Risk Analytics

Director Wealth Management Risk Analytics and Thought Leadership





What do we know today about FinTechs and robo-advisors?



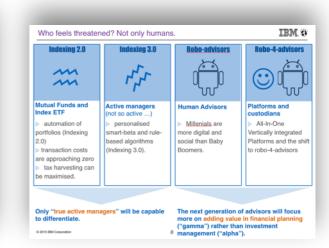




Are roboadvisors truly disruptive?

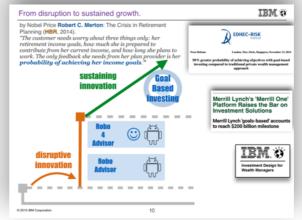






How do we see the future of robo-advisors?







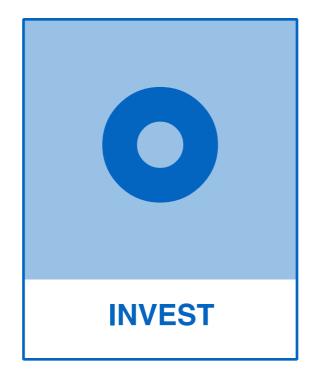


FinTechs focus on the **digitalisation** of the financial system:

- Lending: LendingClub, Kabbage, OnDeck, Borro, Kreditech, Funding Circle, Wonga, Nimble, [...]
- Transactions & Payments: Klarna, Square, Stripe, PayNearMe, TransferWise, SumUp, [...]
- Research & Big Data: Yodlee, Kredit Karma, [...]
- Private Equity & Venture Capital: CircleUp, Our Crowd, AngelList, [...]
- Investments & Advise (robo-advisors): Wealthfront, LearnVest, Betterment, Nutmeg, FutureAdvisor, MoneyFarm, Vaamo, Jemstep, Wisebanyan, Money On Toast, Schwab Intelligent Portfolio, [...]

robo-advisors









Robo-advisors can be a disruptive global trend





transformed

from robo-advisors to robo-4-advisors and GBI

2014

matured

+100% AUM

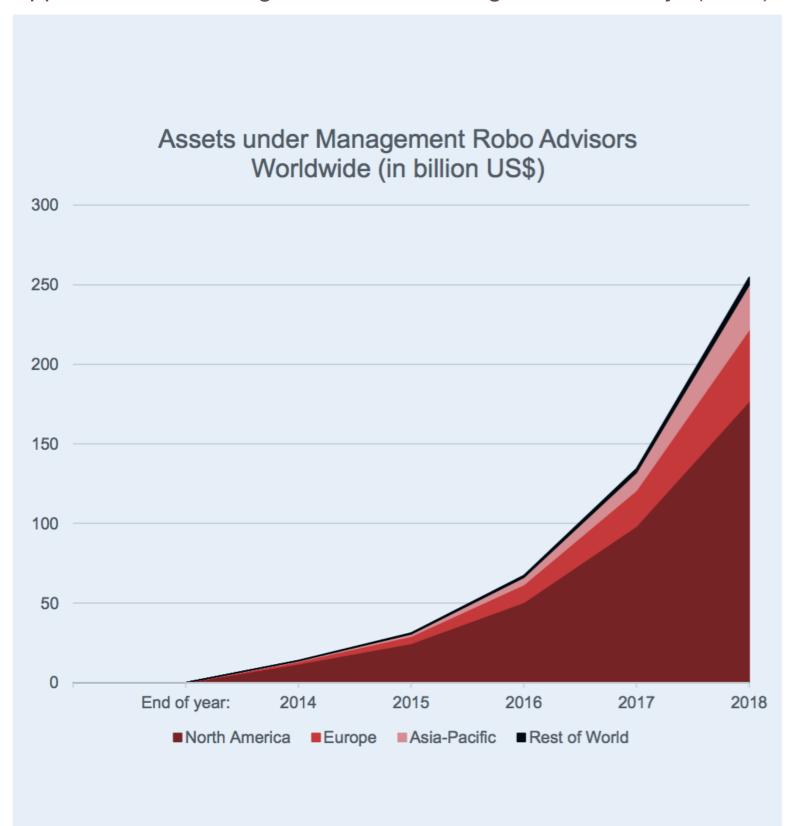
noticed

venture capital research conferences

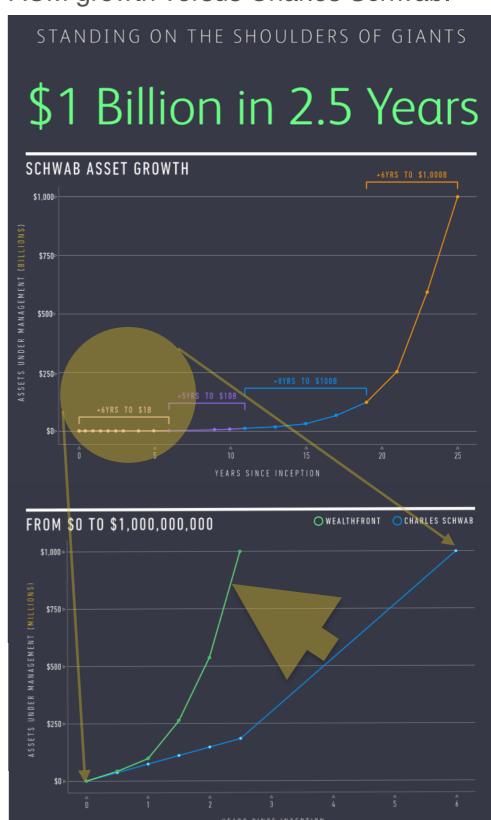
Robo-advisors are expected to grow fast.



Source **MyPrivateBanking**: "Robo-advisors: threats and opportunities for the global wealth management industry" (2014).



Source **Wealthfront**: comparison of AUM growth versus Charles Schwab.

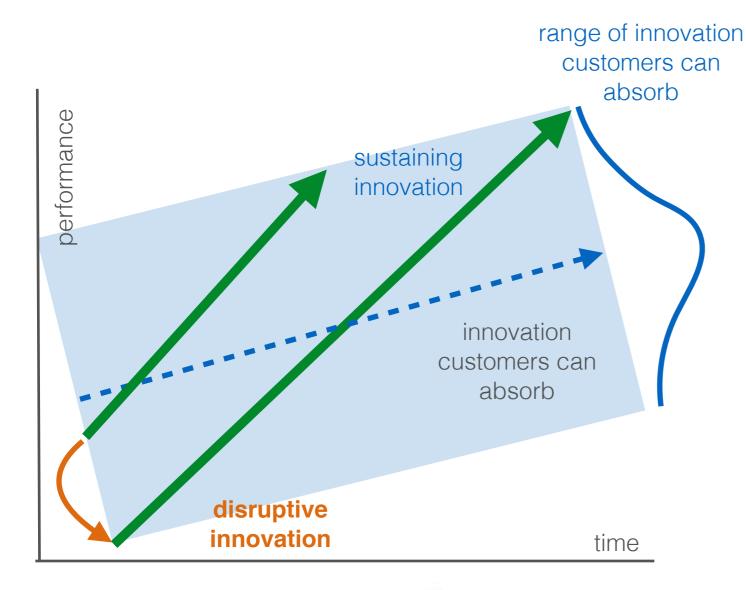


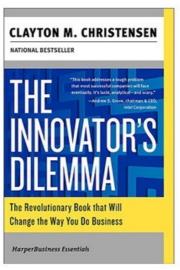




Sustaining and Disruptive Innovation









- Rate of improvement a client can absorb and a variability around [Retail, UHNW]
- Sustaining innovation makes
 better products with higher prices
 for high end customers, until extra value can't
 be priced up
 [HI-FI, personal advise]
- 3. **Disruptive innovation** introduces simplified and less expensive products/services, to appeal to new or less-demanding customers [iPod, robo-advisors]
- 4. **Higher margins** and more demanding customers once products gain foothold, improvement cycle restarts [iPad, robo-4-advisors, GBI planning]



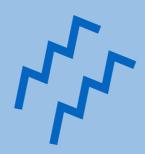
Indexing 2.0



Mutual Funds and Index ETF

- automation of portfolios (Indexing 2.0)
- transaction costsare approaching zero
- tax harvesting can be maximised.

Indexing 3.0



Active managers (not so active ...)

personalised
smart-beta and rule based algorithms
(Indexing 3.0).

Robo-advisors



Human Advisors

Millenials are more digital and social than Baby Boomers.

Robo-4-advisors



Platforms and custodians

All-In-OneVertically integratedPlatforms and the shiftto robo-4-advisors

Only "true active managers" will be capable to differentiate.

The next generation of advisors will focus more on adding value in financial planning ("gamma") rather than investment management ("alpha").



What is the future of robo-advisers?

From disruption to sustained growth



by Nobel Price Robert C. Merton: The Crisis in Retirement Planning (HBR, 2014).

"The customer needs worry about three things only: her retirement income goals, how much she is prepared to contribute from her current income, and how long she plans to work. The only feedback she needs from her plan provider is her **probability of achieving her income goals."**



Press Release

London, Nice, Paris, Singapore, November 12, 2014

50% greater probability of achieving objectives with goal-based investing compared to traditional private wealth management approach



Goal Based Investing

Robo 4 Advisors



Robo Advisors



Merrill Lynch's 'Merrill One' Platform Raises the Bar on Investment Solutions

Merrill Lynch 'goals-based' accounts to reach \$200 billion milestone



Investment Design for Wealth Managers

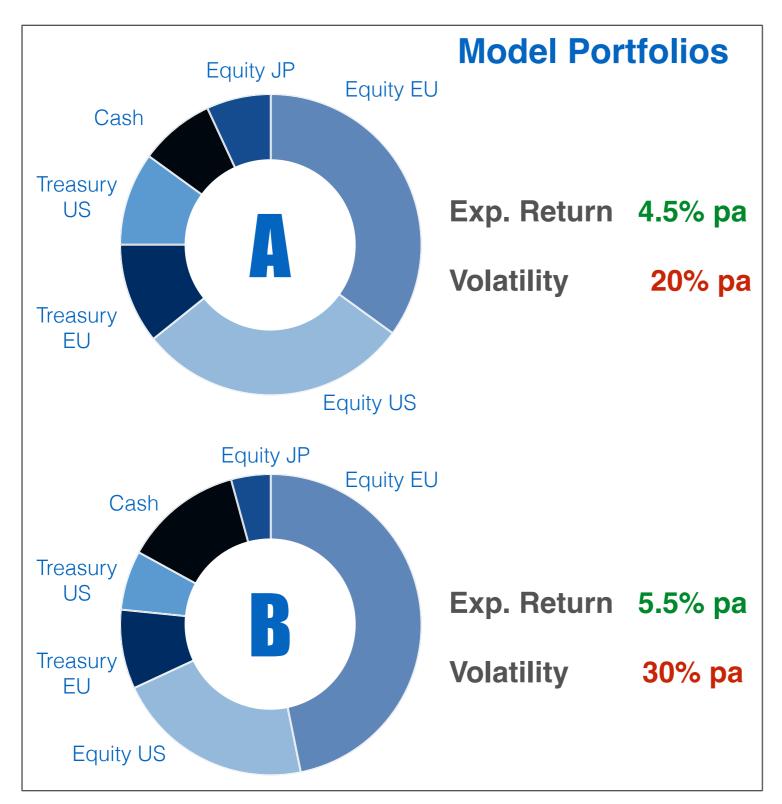
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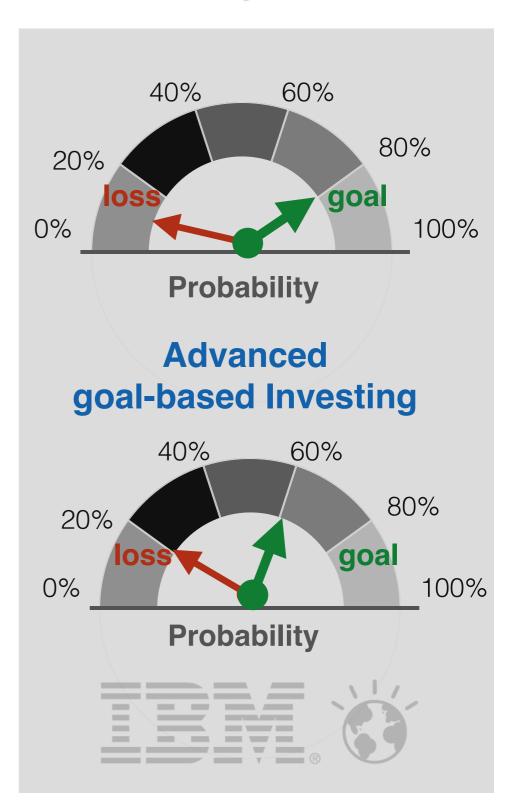
disruptive

innovation



All robo-advisors ask to state your **age**, your financial **goal** and your **risk** tolerance ... but they use Modern Portfolio Theory which is not goal-based.







Thank you



Wealth Managers

Paolo Sironi - IBM Risk Analytics

Director Wealth Management Risk Analytics and Thought Leadership

Author of quantitative books on goal-based and long-term investing



paolo.sironi@de.ibm.com



de.linkedin.com/in/paolosironipso



@thepsironi

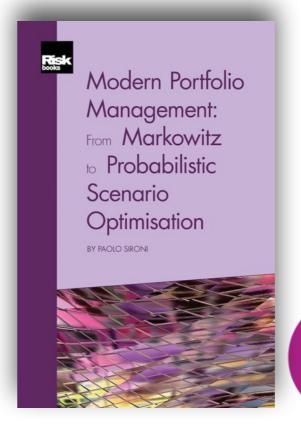


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www.riskbooks.com/modern-portfolio-management-from-markowitz-to-probabilistic-scenario-optimisation















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