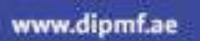


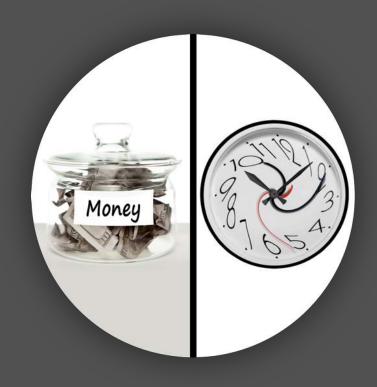
PARALLEL SESSION STREAM

Al and Project Management:
Best of Human/Machine

BUILDING NATIONS

John Heintz CEO Aptage john@aptage.com







UNCERTAINTY

Innovation

Disruption



Project Management Failure Patterns!



Status G-G-G-G-RED!



Whack-a-Mole
Shuffling
resources
to fight fires



Game of Chicken
Waiting for other
team's to fail first

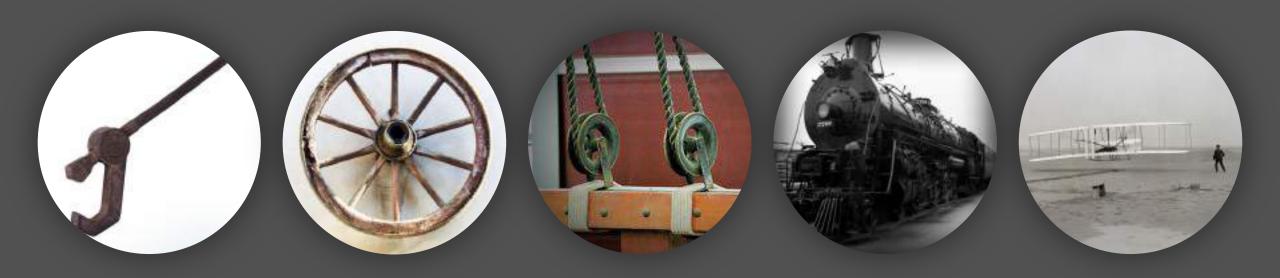


Unsustainable no end in sight

Agenda

- 1. Humans Create Tools
- 2. What about AI?
- 3. 1960's Game Show
- 4. Losing at Chess
- 5. Navigation and Forecasting Arrival
- 6. Al for Next-Gen Project Management

Industrial Tools – Help us Move Better





45kph



120kph





129kph

Communication Tools





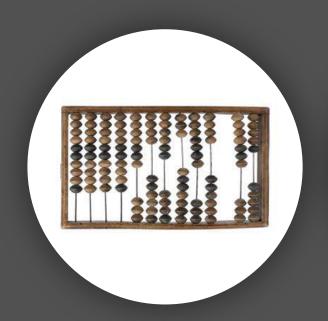




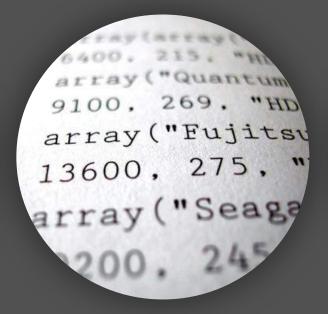


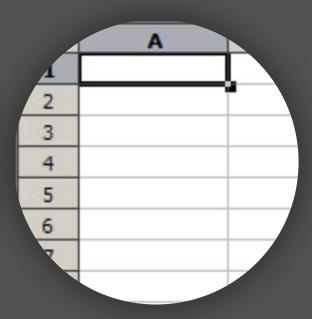


Thinking Tools



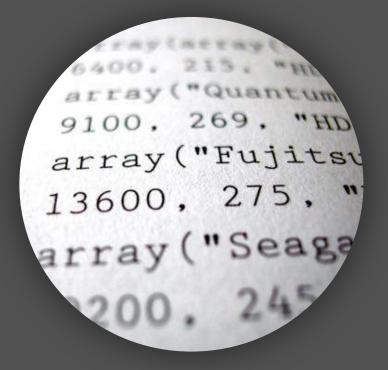






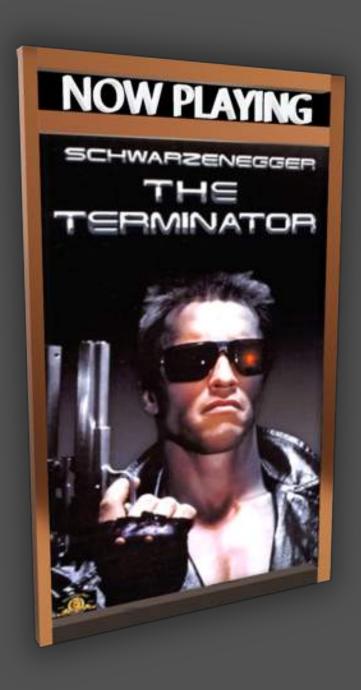


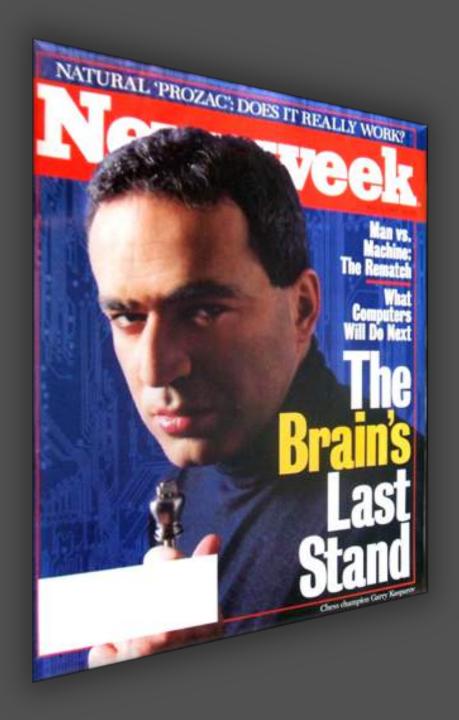




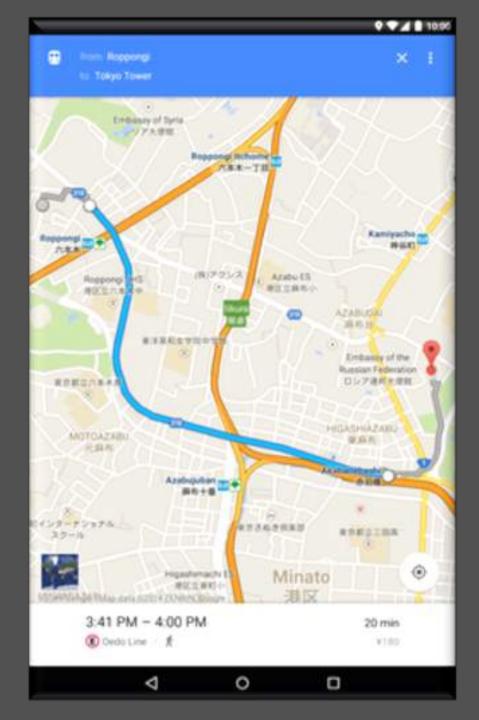
What about AI?







1997







1960's U.S. Game Show Let's Make a Deal



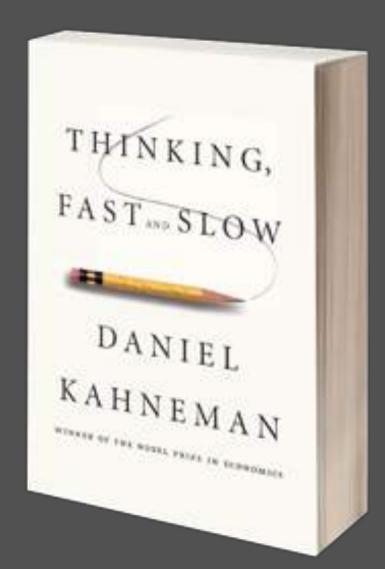
Aaptage

1/3 Chance









"Even statisticians were not good intuitive statisticians."

Thinking, Fast and Slow

If <u>only</u> three doors can mess with our intuition...



WINNER

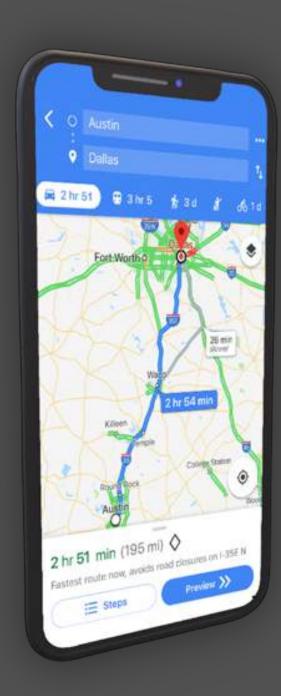
WINNER

ink bette



Al can be a Thinking Too That helps us

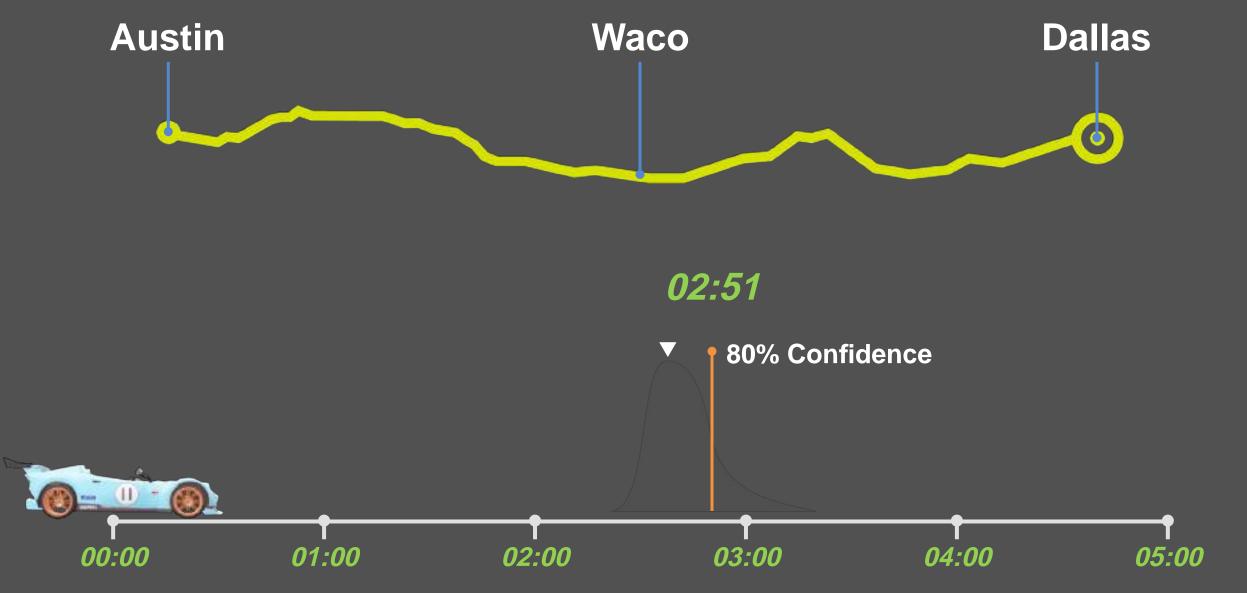




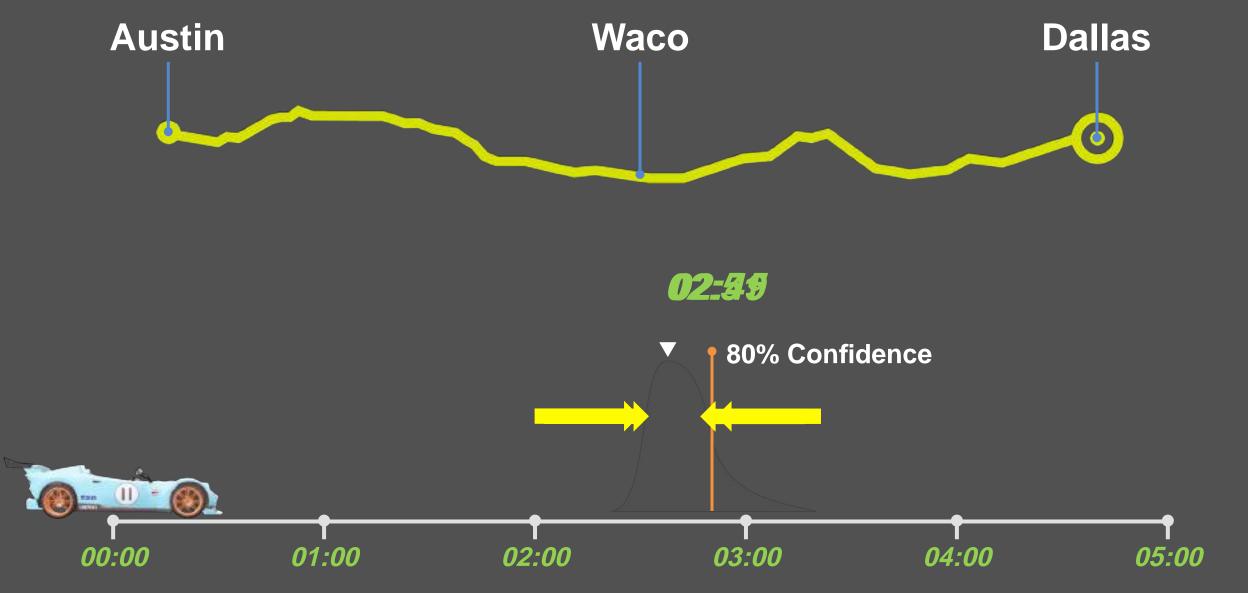
Forecasting Arrival Time

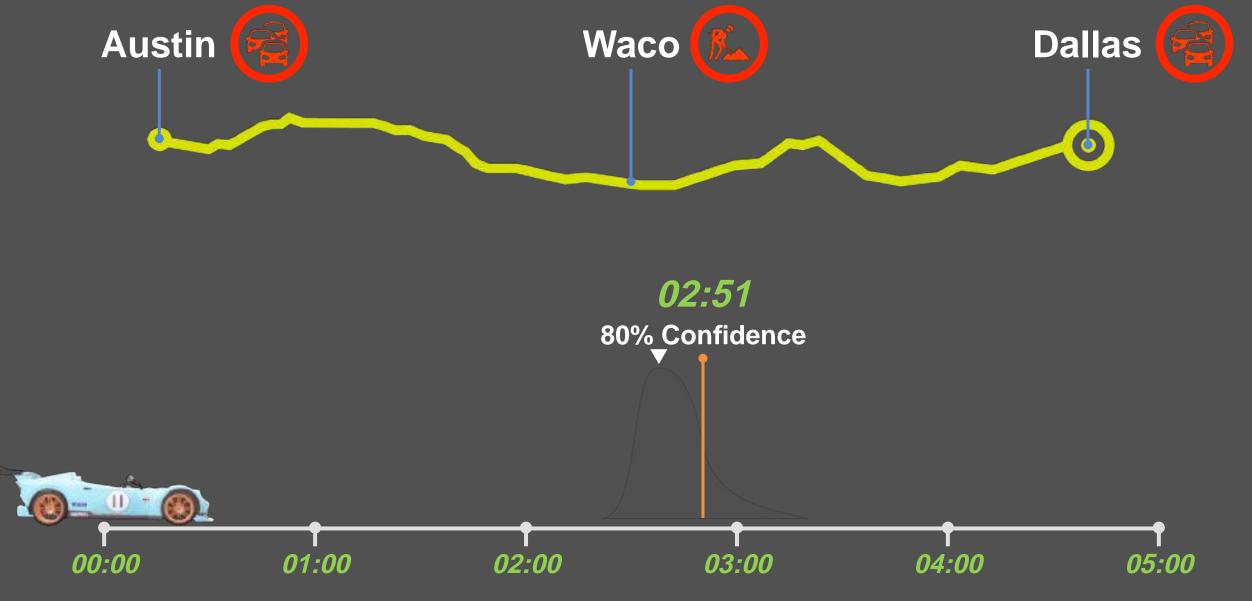
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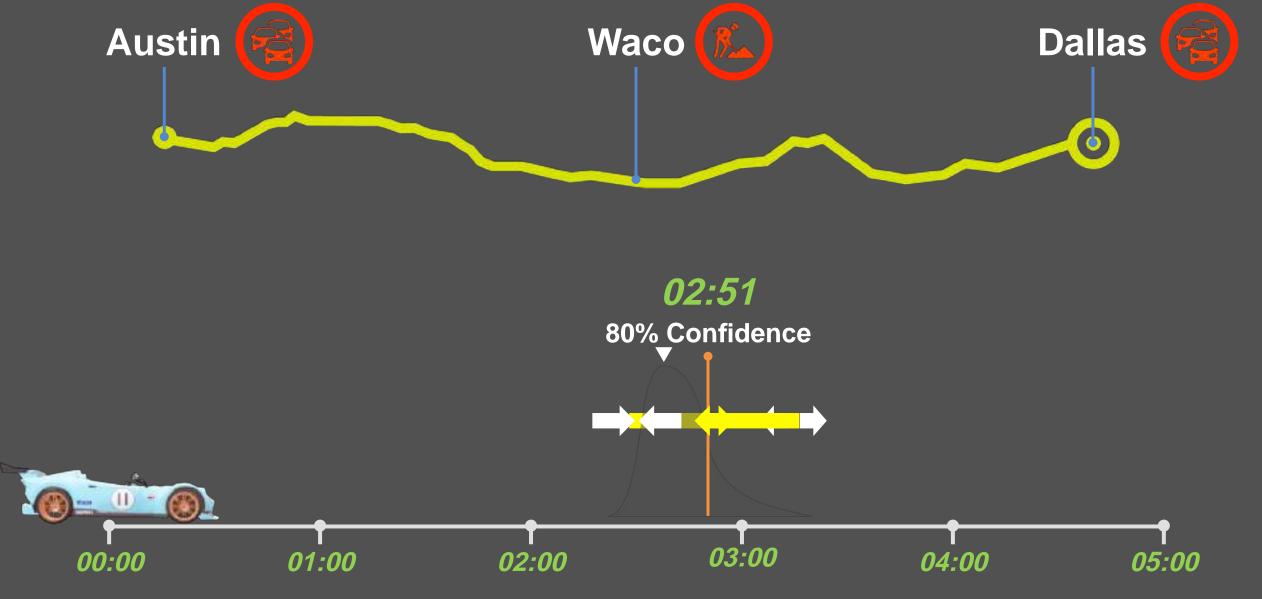








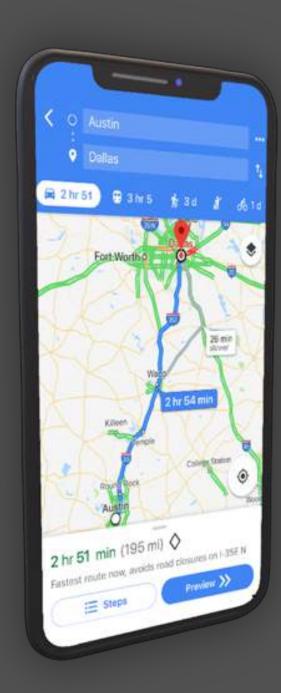






Front Load Risks





Forecasting Arrival Time

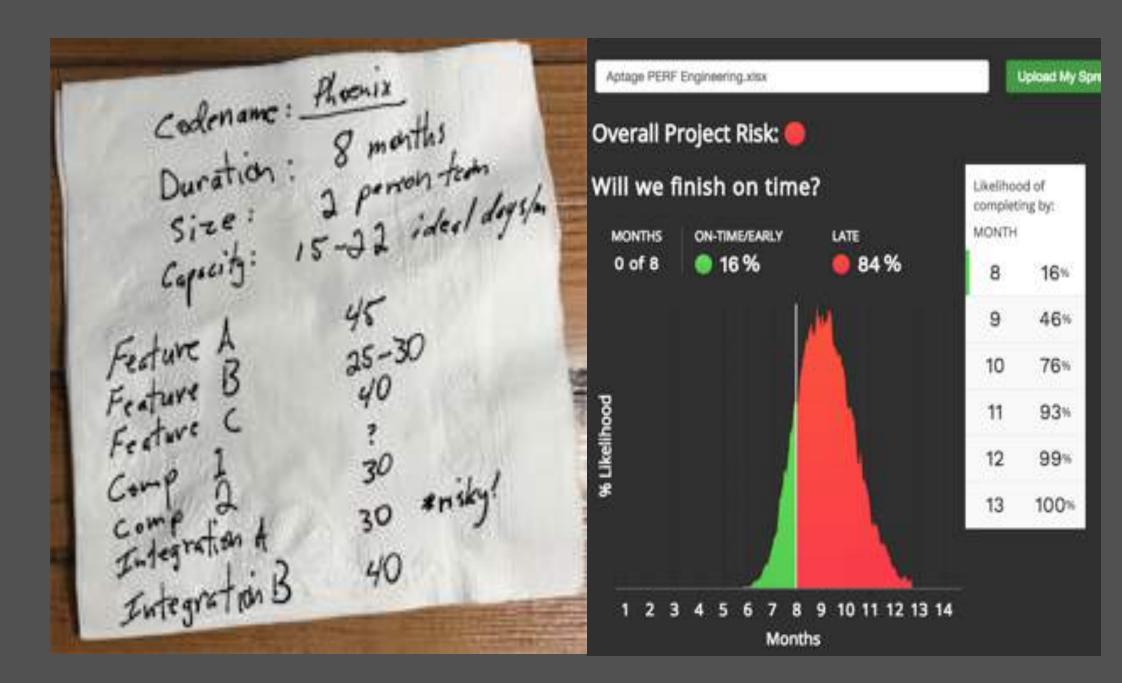
- Confidence
- Real-time

Al for Next-Gen Project Management

- Measure Uncertainty and Risk
- See Problems Months Ahead of Time
- Tune plans to target risk tolerance
- Act with Confidence

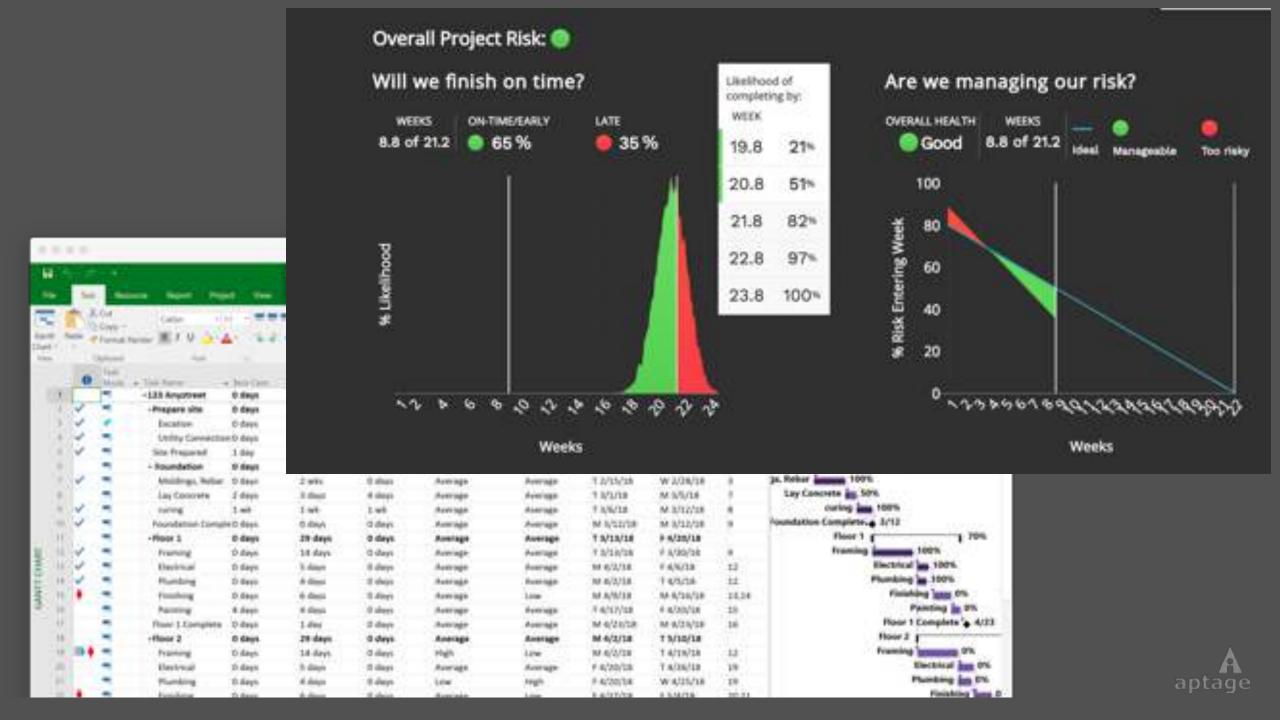








A aptage

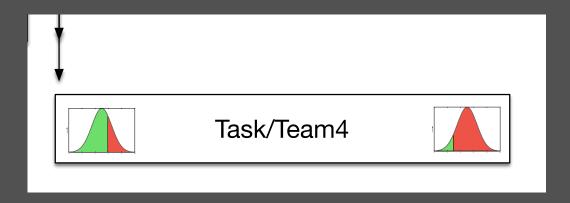


Seeing the Future

Learning Team4 is going slower than planned:

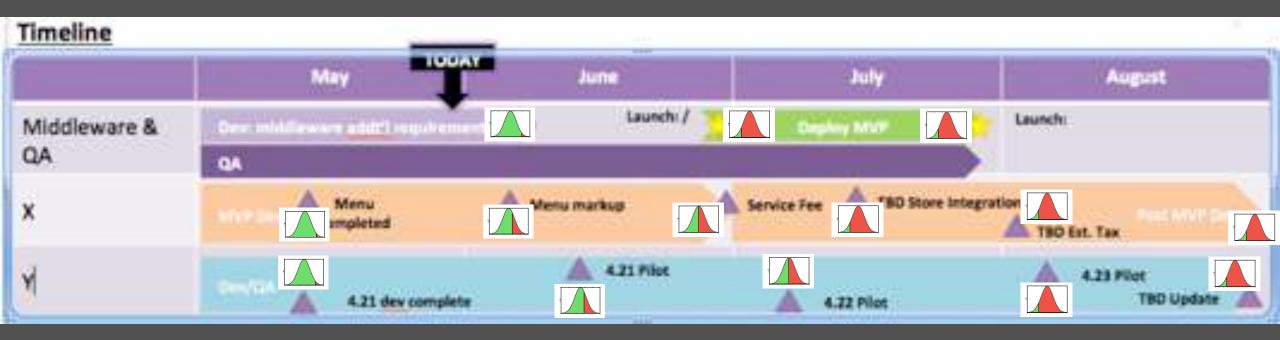


Team4 is adding future risk





Hybrid Programs with Risk Analysis

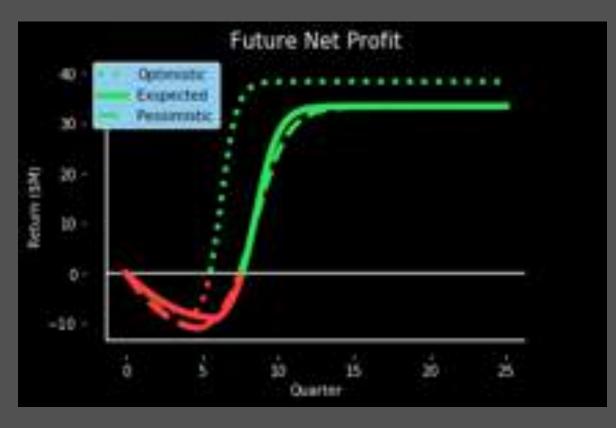


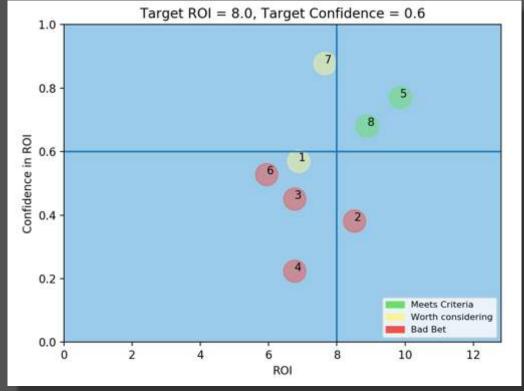


Portfolio Management

J-Curves, S-Curves

Uncertainty of ROI and TCO







Thank You

- 1. Our Intuition is not good at complex uncertainty
- 2. Al is a Thinking Tool, that helps us Think Better
- 3. Humans and Machines, not Humans vs Machines
- 4. Al for Next-Gen Project Management

John Heintz CEO & Co-Founder john@aptage.com Dr. Murray Cantor CTO & Co-Founder murray@aptage.com