Survey Summary

- 16 Questions on AI, Machine Learning, and Technology predictions
- Number of responses: 140
- Average Time: 7 minutes
  - with standard deviation 13 minutes
Q1: 50% of highway miles will be driven by self-driving vehicles by:

- Mean: 2032
- SD: 7 years
- 95% CI: [2018, 2046]
- Median: 2030
- 5 Later/Never
Q2: It will be technologically possible for a robot to win a tennis match against a ranked human player by:

- Mean: 2030
- SD: 8 years
- 95% CI: [2014, 2046]
- Median: 2028
- 17 Later/Never
Q3: Energy consumption by computers will constitute the majority of energy consumption in the US by:

- Mean: 2030
- SD: 8 years
- 95% CI: [2015, 2045]
- Median: 2030
- 40 Later/Never
Q4: It will be technologically feasible for a machine, using a mixture of AI and 3D printing, to assemble a perfect copy of itself in the presence of unrefined planetary materials alone by:

- Mean: 2034
- SD: 10 years
- 95% CI: [2014, 2054]
- Median: 2033
- Believed to happen 3rd to last/never
- Largest opinion disagreement
Q5: Neural interface implants will be used by more than 5% of the global population by:

- Mean: 2033
- SD: 8 years
- 95% CI: [2018, 2049]
- Median: 2031
- 20 Later/Never
Q6: There will be a non-proliferation treaty on the use of artificial intelligence in cyberwarfare by:

- Mean: 2030
- SD: 7 years
- 95% CI: [2016, 2043]
- Median: 2029
- 37 Later/Never
Q7: Most medical images will be interpreted primarily by machines by:

- Mean: 2026
- SD: 6 years
- 95% CI: [2015, 2037]
- Median: 2024
- Believed to happen third
- 3rd lowest opinion disagreement
Q8: Over 95% of the air traffic control vectors (directions) will be given by computers by:

- Mean: 2028
- SD: 7 years
- 95% CI: [2015, 2041]
- Median: 2027
- 5 Later/Never
Q9: Artificial intelligence will increase median income of workers in the U.S. by 15% from today's rate (adjusting for inflation) by:

- Mean: 2031
- SD: 6 years
- 95% CI: [2019, 2043]
- Median: 2030
- Largest Number of Later/Never (71)
Q10: The average factory will have less than 20 human workers by:

- Mean: 2034
- SD: 8 years
- 95% CI: [2018, 2049]
- Median: 2033
- Believed to happened 2nd to last/never
- 3rd largest opinion disagreement
Q11: The majority of surgeries in the U.S. will be performed by machines rather than humans by:

- Mean: 2036
- SD: 8 years
- 95% CI: [2021, 2051]
- Median: 2036
- Believed to happen last/never
- 2\textsuperscript{nd} largest opinion disagreement
Q12: The majority of Fortune 500 companies will replace 50% of managerial task assignment and performance evaluation functions with artificial intelligence by:

- Mean: 2032
- SD: 7 years
- 95% CI: [2018, 2047]
- Median: 2031
- 30 Later/Never
Q13: Computer aided systems will enable at least 50% of all teaching and learning by:

- Mean: 2030
- SD: 7 years
- 95% CI: [2016, 2044]
- Median: 2029
- 11 Later/Never
Q14: High reliability, real-time language translation will be routine by:

- Mean: 2024
- SD: 5 years
- 95% CI: [2016, 2033]
- Median: 2024
- Believed to happen 1st
- Lowest opinion disagreement
Q15: Human-machine conversation for customer service and retail transaction will be routine by:

- Mean: 2025
- SD: 5 years
- 95% CI: [2014, 2035]
- Median: 2023
- Believed to happen 2nd
- 2nd lowest opinion disagreement
Q16: Within the next 25 years, the deployment of artificial intelligence and machine learning will result in:

- Mean: 2034
- SD: 11 years
- 95% CI: [2013, 2055]
- Median: 2034
Summary

- **Consensus on**
  - Language barriers falling: both human-to-human and human-to-machine
  - Inequality reduction

- **Disagreement and doubt on**
  - Physical AI abilities (reproduction, surgery)
  - Income effects (believed to be negative)