Use-cases in AI

MACHINE LEARNING / DEEP LEARNING USE-CASES

HELLO-WORLD

1. Titanic – Machine learning from disaster
2. Dogs vs. cats
3. Digit recognizer
4. Rossmann store sales
5. Movie review sentiment analysis
6. Integer sequence learning
7. Traffic sign recognition
8. Dog breed classification

FINTECH

9. Home credit default risk
10. Credit card fraud detection
11. BNP Paribas cardif claim management
12. Prudential life insurance assessment
13. Mercari price suggestion challenge
14. New York city taxi fare prediction
15. Two Sigma: Use news analytics to predict stock price performance
16. House prices: Advanced regression techniques

REMOTE SENSING

17. DSTL satellite imagery feature detection
18. Planet: Understanding the Amazon from space
19. Statoil Iceberg classifier challenge
20. Airbus ship detection challenge
21. TGS salt identification
22. Forest cover type prediction
23. How much did it rain
24. Plant seedlings classification
25. LANL earthquake prediction
26. NOAA fishseries Steller sea lion population count

HEALTHCARE

27. West Nile virus detection
28. 2016 Data Science Bowl – Transforming how we diagnose heart diseases
29. 2017 Data Science Bowl – Lung cancer detection
30. 2018 Data Science Bowl – Nuclei detection in divergent cell images
31. RSNA Pneumonia detection challenge
32. Bone age estimation
33. Human protein atlas image classification
34. Diabetic retinopathy detection
35. Malaria detection
36. Genomic visualization
37. Skin lesion analyzer
38. Cervical cancer screening
39. Ultrasound nerve segmentation

PHYSICS

40. TrackML particle tracking challenge
41. Higgs Boson machine learning challenge