Introduction

Miguel Mora

- I understand computer vision and its usage in interpreting images and video.

- I understand NLP and how it generates human language with context-aware precision.

- I understand what Machine Learning is capable of and how it can be scattered across domains such as computer vision.

Highlights Part 1

- AI helps the government manage traffic by analyzing road data to improve signal timing and plan repairs efficiently.

- AGI adapts to any domain, even the ones it wasn't trained for.

- AI excels at narrow tasks using a large dataset and learning patterns.

- AI helps manufacturing by enabling automated defect detection in supply products.

Highlights Part 2

AI processes vast satellite data to support climate modeling, terrain analysis, and emergency response.

Machine Learning powers personalized shopping experiences by analyzing customer behavior.

AI helps monitor plant health and predict diseases using image recognition and sensor data.

AI supports public services by automating data handling and detecting fraud or inefficiencies.

Real-World Applications

- Apply AI knowledge to automate defect detection, which would optimize production workflows.

- Use AI to improve customer experience through recommendation systems and inventory management.

- Leverage AI for satellite data analysis and autonomous spacecraft navigation.

- Deploy AI to analyze soil conditions and predict crop yields.
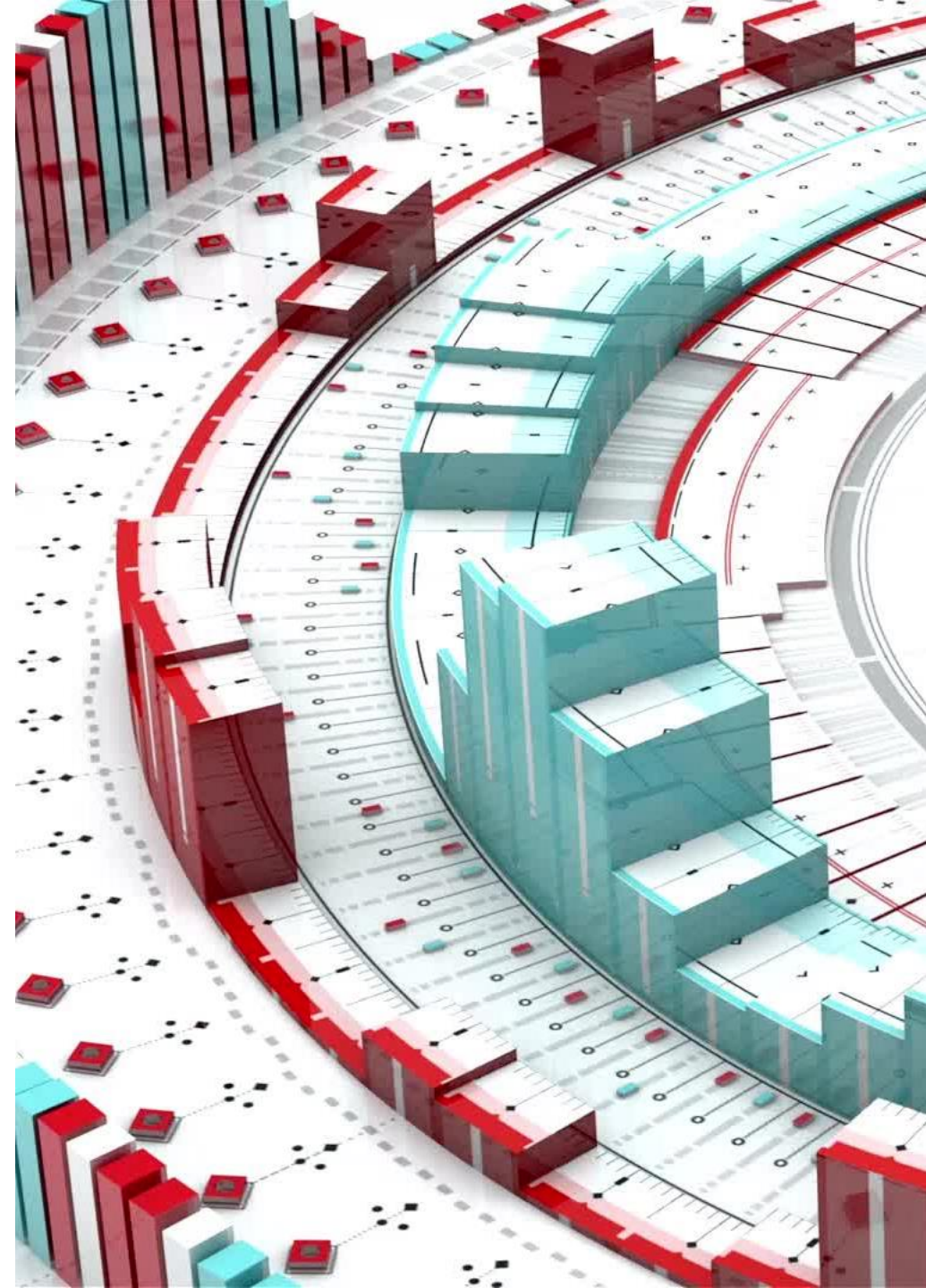
Wrap-Up

GitHub repository Link

– [211MM/AI-Applications](https://github.com/211MM/AI-Applications)

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