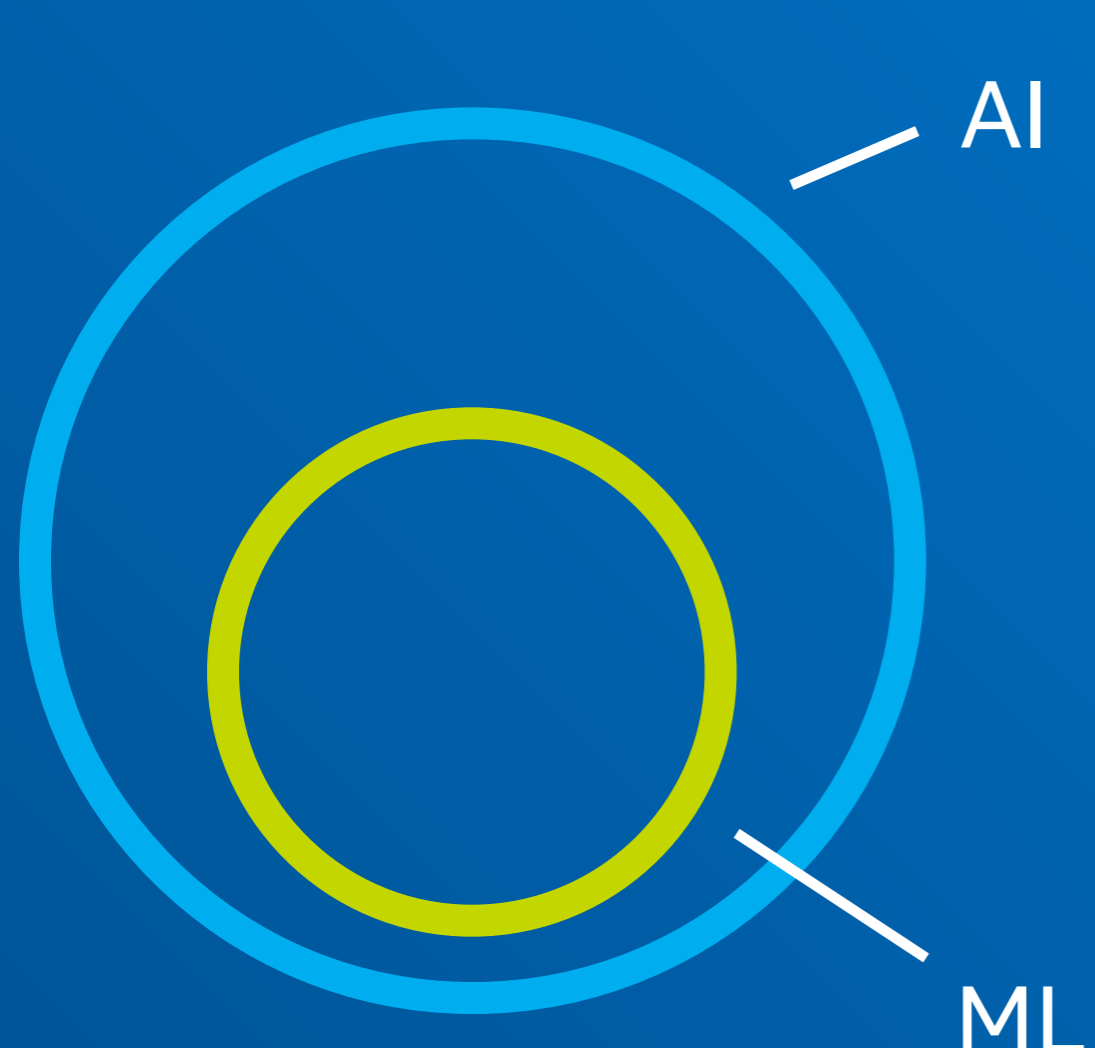


# ARTIFICIAL INTELLIGENCE 101



In our smart and connected world, machines are increasing learning to sense, learn, reason, act and adapt to the real world. This is **Artificial Intelligence**.

**Machine Learning** (ML) is a computational method that allows machines to act or think without being explicitly directed to perform specific functions.

**Doctors** can utilize insights to diagnose conditions earlier and more accurately, leading to quicker treatment and more lives saved.



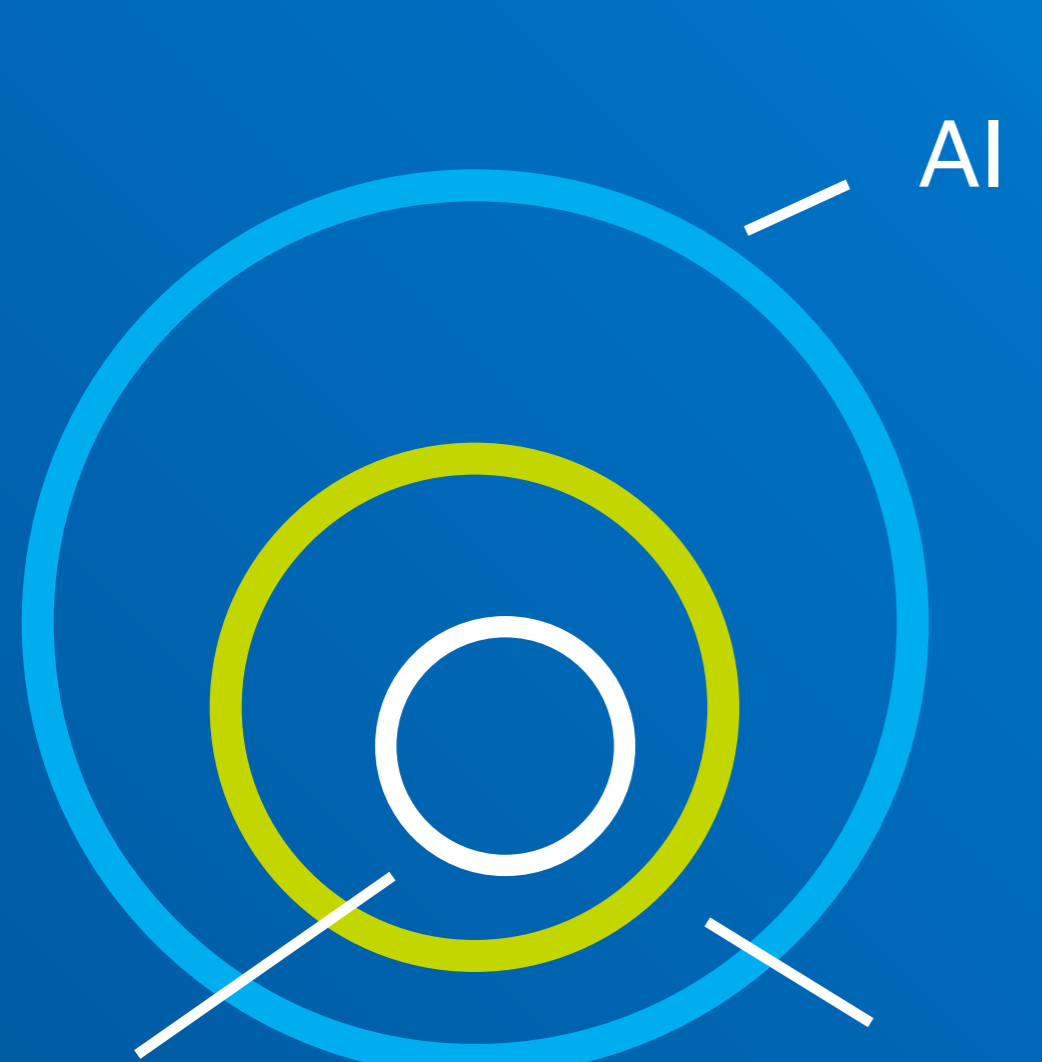
**Autonomous cars** can learn from data and the experience of millions of cars, resulting in a much safer commute.

**Banks** can crack down on fraud before it happens by dynamically analyzing spending patterns and rapidly identifying unusual activity.



**Farmers** can increase crop yield based on real-time insights from weather and soil data, producing more food even in unpredictable climates.

**Athletes** can design customized, data-based training programs which improve performance and reduce risk of injury for more home runs, faster sprints and longer careers.



**Deep learning** is a branch of ML that uses neural network models to understand large amounts of data. It can accelerate processes like image and speech recognition, and natural language recognition.

## FUN FACT!

Did you know that the human brain has over 100 billion neurons, not to mention a series of complex biological processes that are still under investigation, compared with just over 1 billion nodes in the most complex neural network to date?



For more info, visit:

[www.intel.com/machinelearning](http://www.intel.com/machinelearning)

