

Intro to AI(Artificial Intelligence) & ML(Machine learning).

Machine Learning: how artificial intelligence learns and works & how neural networks work

Artificial intelligence: Its a function approximator that does not have too many high extremes(function goes from 1,2,3,4,5,473289)

Machine learning is a synonym for data science

Linguistic definitions: as things change in common vocabulary they take on new or different meanings, the dictionary is only a view on what are currently words,

In a more abstract sense they are meant to accomplish the same goal, process data and give meaningful insights, they accomplish this through different means.

universal function approximator

Data science and machine learning in a more abstract sense mean the same thing, languages change over time, the meaning of words are based off of what's generally accepted, if two words are agreed to mean the same thing then they do intertwined

To seem more professional:

- slow down so you don't say ummmmmm.

Wikipedia says that"understand and analyze actual phenomena" with data -[Data science - Wikipedia](#)

intrinsically intertwined

Data science defined:

Data science is the analysis of data

Machine learning:

Artificial intelligence

Artificial intelligence: a universal function approximator which is used and applied to complex tasks like categorization, augmentation, creation, & prediction. Artificial intelligence is modeled

based on the current understanding of how the brain works. Programs that can think like humans are artificial intelligence.

Artificial intelligence depending on how they are defined can either contain the other, or intersect with the other, machine learning could involve other ways than AI to learn, or it could refer to how a machine learns through artificial intelligence, they intersect in that sense.

#### **Final definitions**

- **Data science:**
- **Artificial intelligence:**
- **Machine learning:**