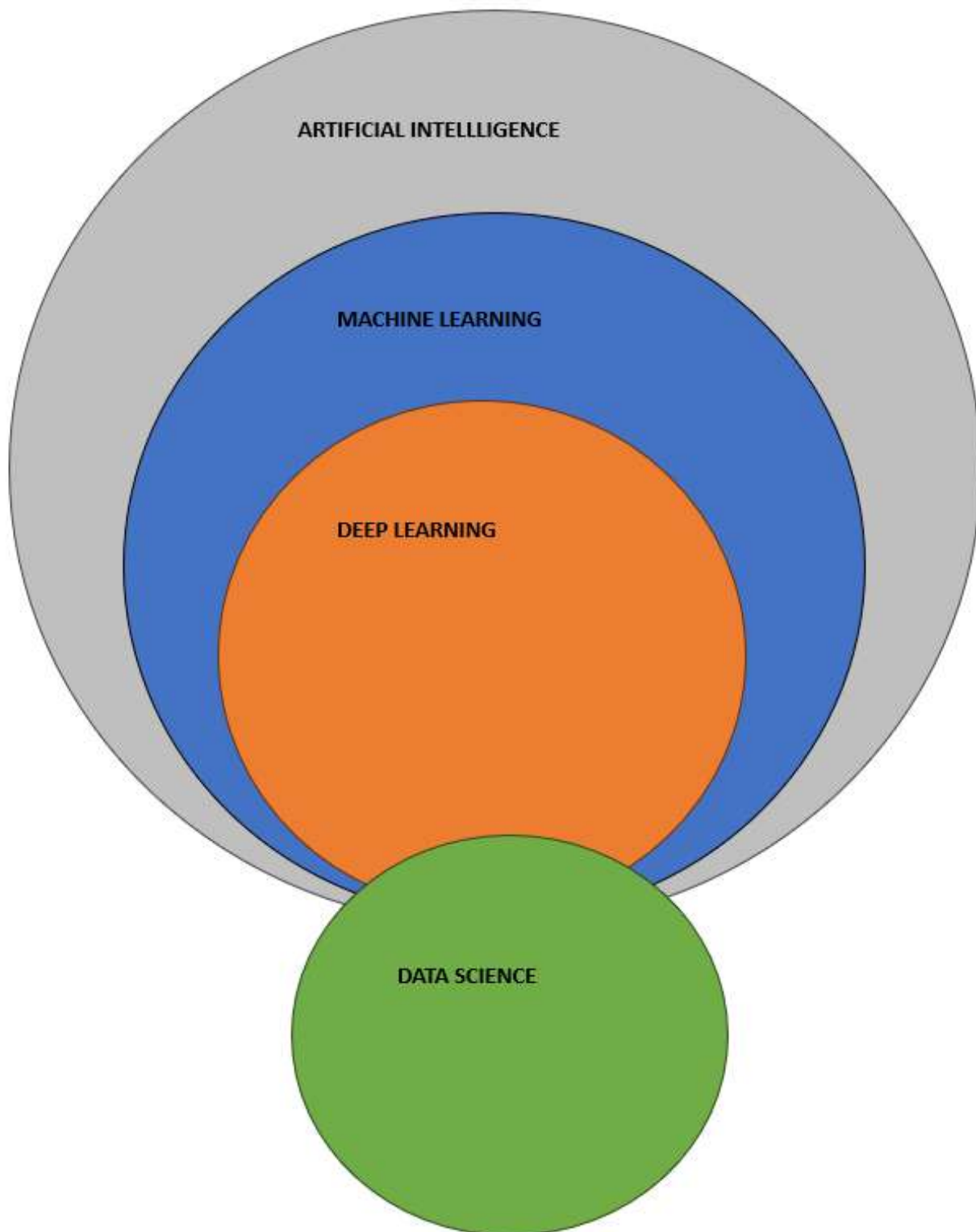


TASK-2 AI, ML, DL Relationship Diagram



1. Artificial Intelligence (AI)

- **What it is:** AI is like making a robot or computer smart enough to do things that usually need a human brain, like understanding speech or playing chess.

- **Example:** Siri or Alexa answering your questions.

2. Machine Learning (ML)

- **What it is:** ML is a part of AI where the computer learns from experience. It gets better at things by looking at lots of data, like how you get better at games by playing more.
- **Example:** Netflix suggesting shows you might like based on what you've watched.

3. Deep Learning (DL)

- **What it is:** DL is like a super-smart version of ML. It's like the brain of the computer with many layers, helping it understand really complex things, like recognizing faces in pictures.
- **Example:** Face recognition on your phone or computer.

4. Data Science

- **What it is:** Data Science is about collecting, understanding, and making sense of lots of information (data) to make good decisions or predictions.
- **Example:** Finding out which toys are the most popular by looking at how many people buy them.