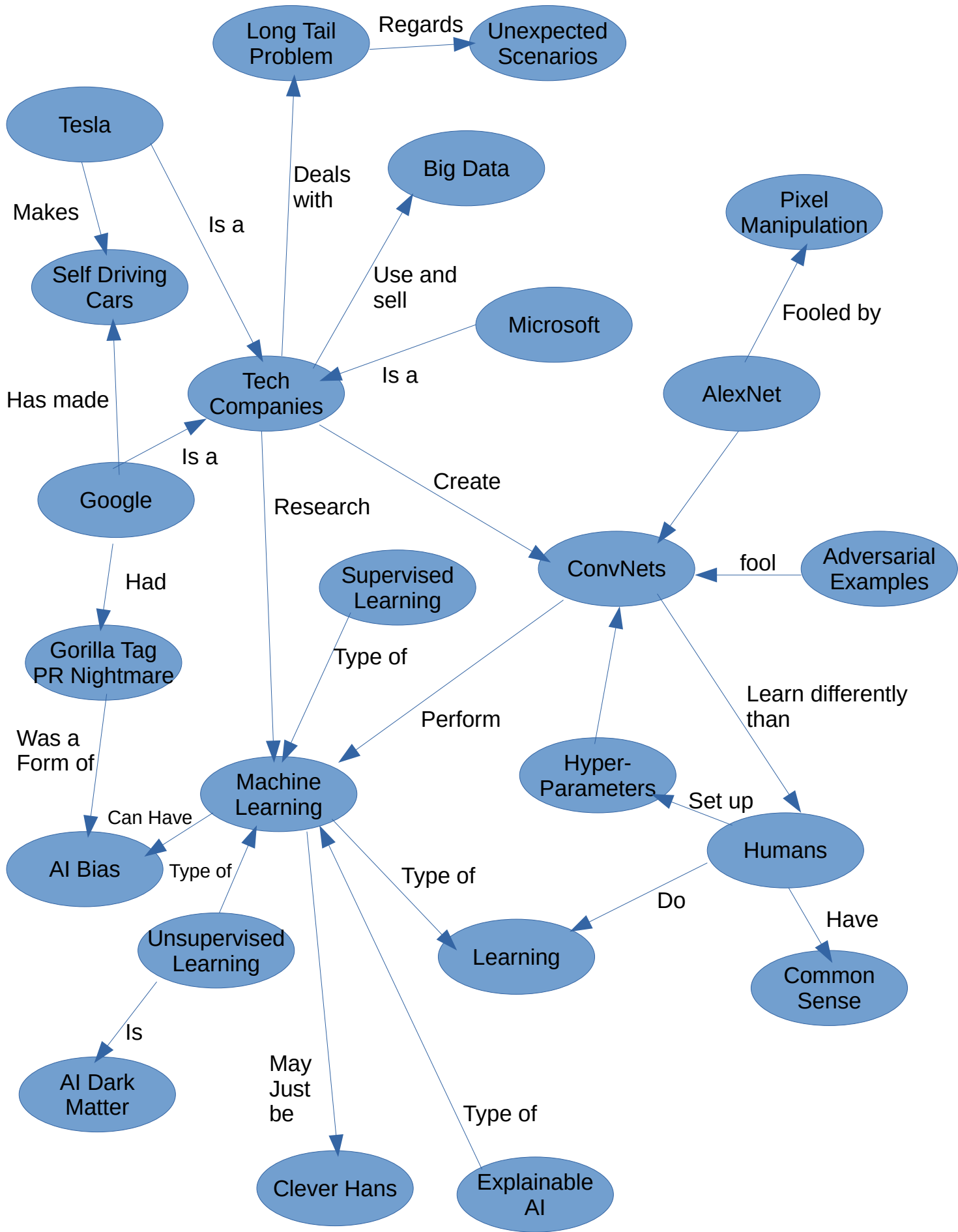


MM Text: Chapter 6 Semantic Network



1. (1) What fools ConvNets? (2) Does a ConvNet always observe the same patterns to distinguish things as a human?
2. (1) What is unsupervised learning considered? (2) Who said this?
3. (1) Who had the gorilla tag PR nightmare? (2) What was the temporary solution to this problem?
4. (1) What do tech companies have to deal with? (2) From what field does the answer to (1) get its name from?
5. (1) What do humans have? (2) How does this help humans in object recognition?
6. (1) What fooled AlexNet? (2) What kind of algorithm was used to generate TV-static looking images to fool AlexNet?
7. (1) What do tech companies use and sell? (2) What is an ethical concern of selling your data to advertising companies?
8. (1) What do humans set up? (2) In what fields has there been a rise in explainable AI?
9. (1) What does the Long Tail problem regard? (2) What is a Long Tail problem scenario Tesla may have to account for when creating its self driving cars?
10. (1) What might machine learning just be? (2) Who was Clever Hans?

# Answers

1. (1) Adversarial examples fool ConvNets. (2) Almost never.
2. (1) Unsupervised learning is considered AI dark matter. (2) Yann LeCunn claimed this.
3. (1) Google had the gorilla tag PR nightmare. (2) Their solution was to remove gorilla as a tag from their set of possible tags.
4. (1) Tech companies have to deal with the Long Tail Problem. (2) This problem gets its name from statistics
5. (1) Humans have common sense. (2) Humans already know a background about many objects, making it easier to identify them.
6. (1) Pixel Manipulation fooled AlexNet. (2) A genetic algorithm was used.
7. (1) Tech companies are using and selling your data. (2) You are rarely asked if a company has the right to sell your private data. It is also hard to determine which data of yours they have.
8. (1) Humans set up hyperparameters. (2) The medical fields, and legal fields.
9. (1) The long tail problem regards unexpected scenarios. (2) An unlikely situation Tesla may have to account for is a boulder in the road.
10. (1) Machine learning may just be a Clever Hans. (2) Clever Hans was a horse in Germany which could allegedly perform math and understand German. This was found to be false after some very carefully controlled experiments.