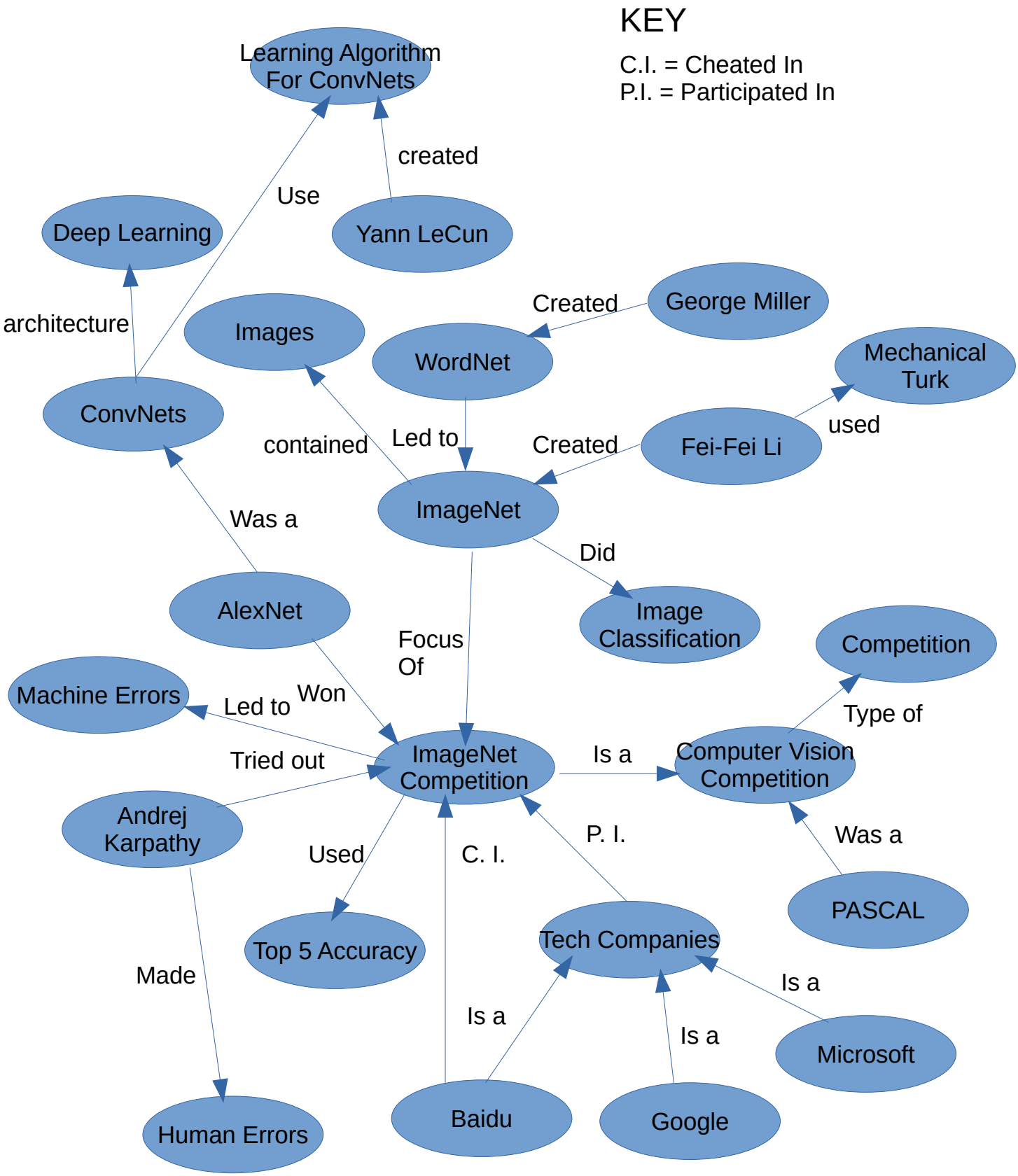
MM Text: Chapter 5 Semantic Web and Quiz



Questions

1. (1) Who participates in the ImageNet Competition? (2) What kinds of architectures won the ImageNet competition up until 2012?
2. (1) Who created WordNet? (2) How did Fei-Fei Li meet George Miller?
3. (1) Who cheated at ImageNet? (2) Where did they draw their inspiration from?
4. (1) What human tried out ImageNet competition? (2) How many training images did he have?
5. (1) What did Yann LeCun create? What was his inspiration?
6. (1) What machine won the ImageNet Competition? (2) What was their success rate?
7. (1) What kind of accuracy was used in the ImageNet Competition? (2) What kind of accuracy would humans most likely be judged by?
8. (1) What did Fei-Fei Li use? (2) How long would her work have taken without it?
9. (1) Google is a what? (2) What service does Google have that uses a ConvNet? (Many answers possible).
10. (1) PASCAL was a what? (2) What was a criticism researchers had with PASCAL?

Answers

1. (1) Tech companies participate in ImageNet. (2) Support Vector
2. (1) WordNet was created by George Miller. (2) They were both professors at Princeton
3. (1) Fei – Fei Li created ImageNet. (2) They looked at the classification that WordNet used for words.
4. (1) Andrej Karpathy (2) He had 500 images.
5. (1) Yann LeCun created the Learning Algorithm for ConvNets. (2) His inspiration was from Fukushima's cognitron and neocognitron.
6. (1) AlexNet won the ImageNet Competition in 2012. (2) The success rate was 82%
7. (1) Top 5 accuracy was used in the ImageNet Competitions. (2) Humans are mainly judged by a Top 1 accuracy.
8. (1) Fei-Fei Li used Mechanical Turk. (2) Her work would have taken 90 years without it.
9. (1) Google is a tech company. (2) Google's search by image feature uses a ConvNet.
10. (1) PASCAL was a computer vision competition. (2) Researchers felt that teams were being to focused on recognizing the categories in the competition instead of general object recognition.