## **Summary**

What are the new things that we learned in this module?

1. Here are some of the takeaways from this chapter
   1. Data: Real inputs ℝ
   2. Task:
      1. Binary classification
      2. Multi-class classification
      3. Regression
   3. Model: Deep Neural Network to deal with complex decision boundaries
   4. Loss:
      1. Cross entropy loss:
      2. Square Error Loss:
   5. Learning: Gradient Descent with backpropagation
   6. Evaluation:
      1. Accuracy =
      2. Per-class Accuracy =
2. Note: the text highlighted in red indicates concepts that will be covered in the upcoming chapters.