回归 vs 分类

- 回归估计一个连续值

- 分类预测一个离散类别

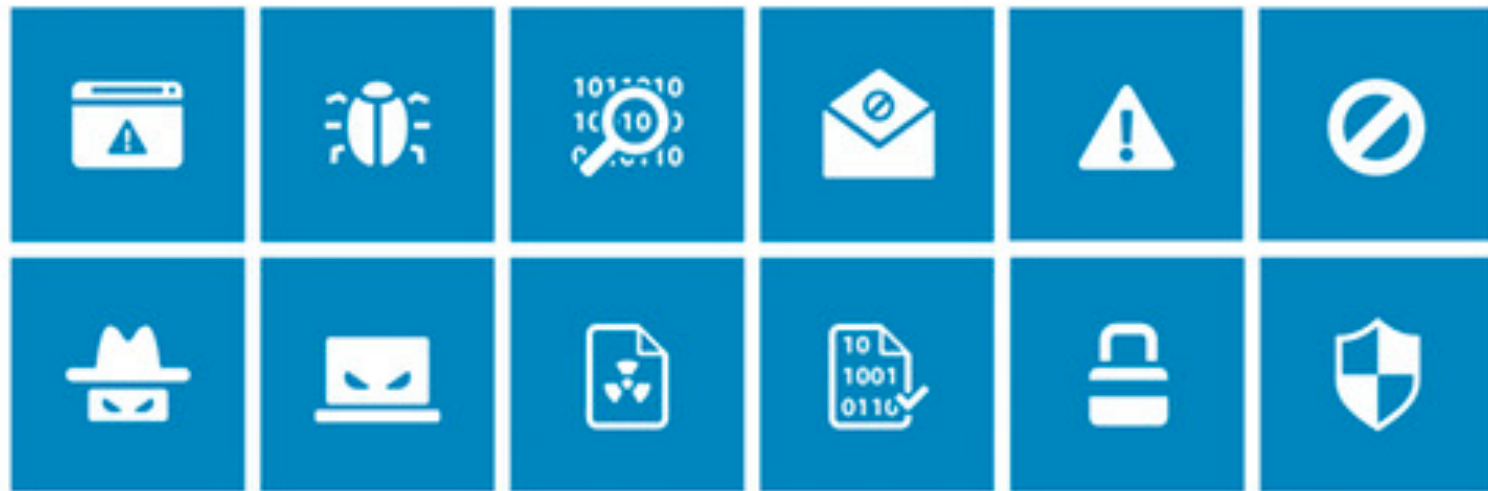MNIST: 手写数字识别（10类）   ImageNet: 自然物体分类（1000类）

Kaggle 上的分类问题

将恶意软件分成9个类别

https://www.kaggle.com/c/malware-classification

Kaggle 上的分类问题

将恶意的 Wikipedia 评论分成 7 类

comment_text	toxic	severe_toxic	obsc
Explanation\nWhy the edits made under my usern...	0	0	0
D'aww! He matches this background colour I'm s...	0	0	0
Hey man, I'm really not trying to edit war. It...	0	0	0
"\nMore\nI can't make any real suggestions on ...	0	0	0
You, sir, are my hero. Any chance you remember...	0	0	0

https://www.kaggle.com/c/jigsaw-toxic-comment-classification-challenge