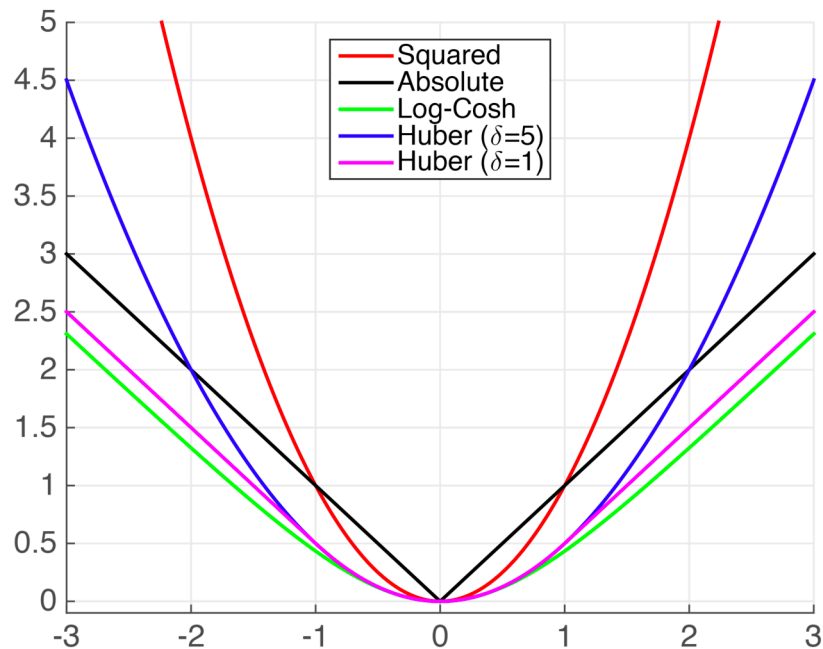# 损失函数
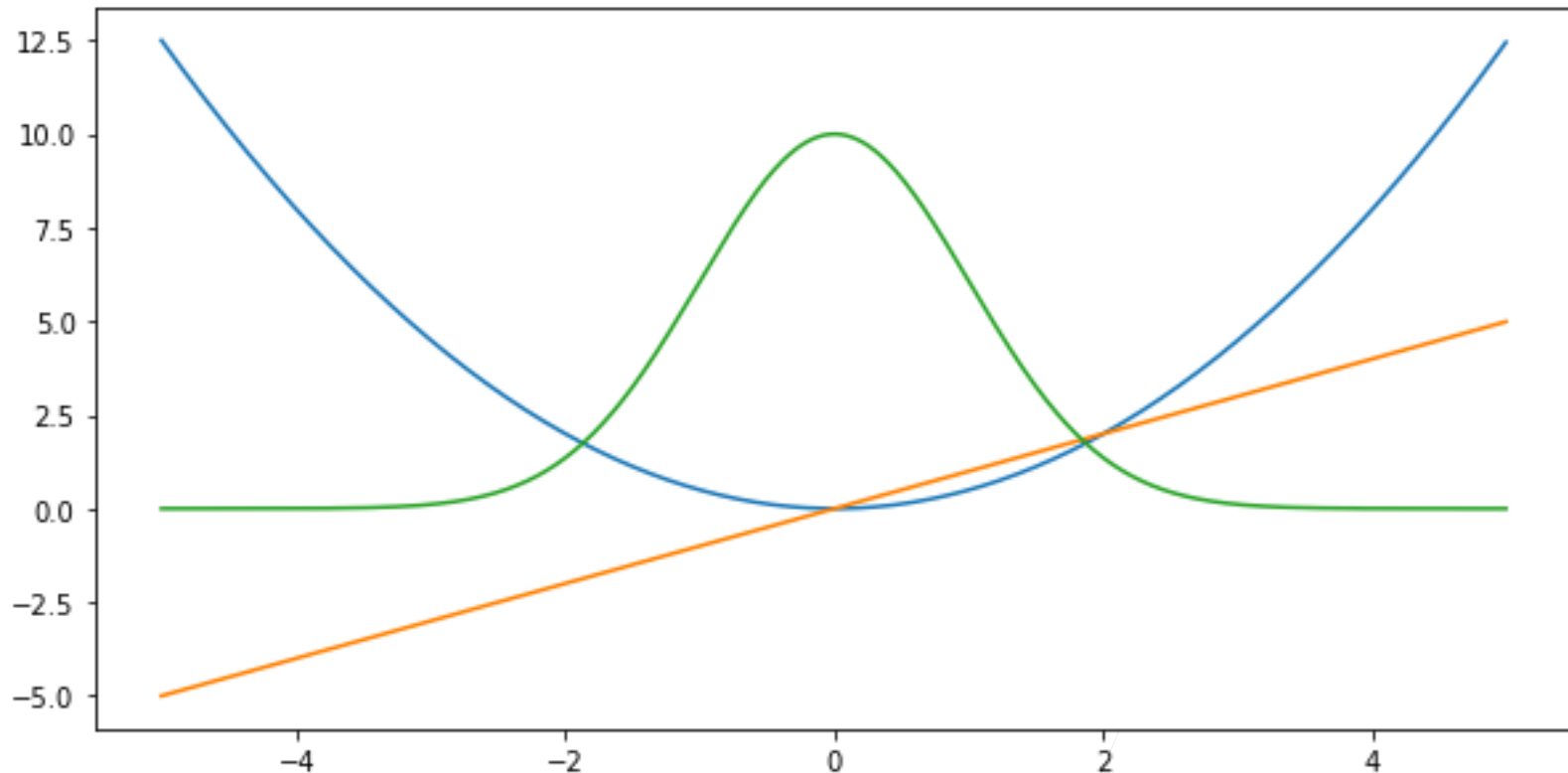

3 种常用的损失函数
- L2 Loss
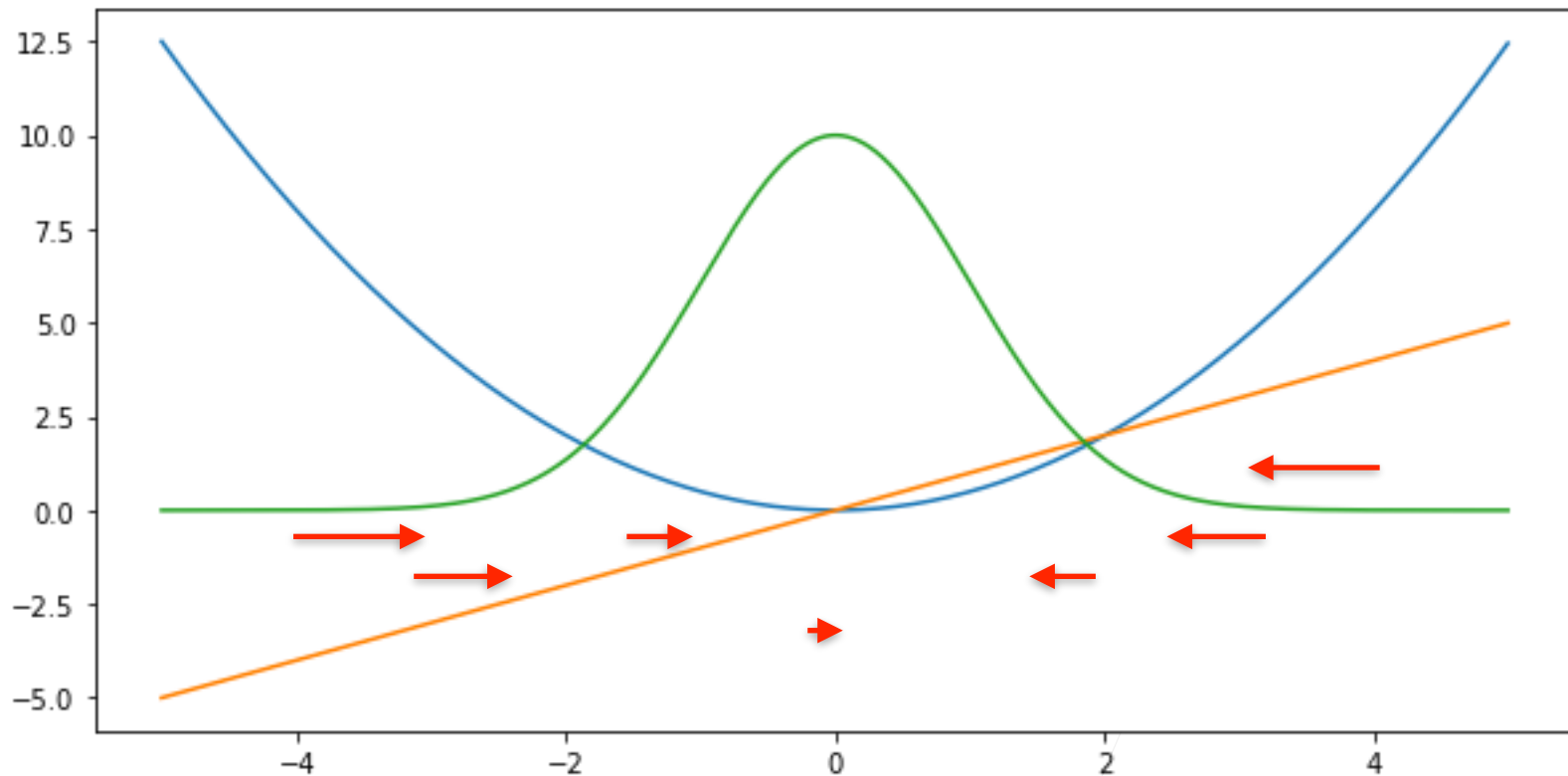- L1 Loss
- Huber's Robust Loss

L2 Loss

$$l(y, y') = \frac{1}{2}(y - y')^2$$ 除以2是为了求导方便
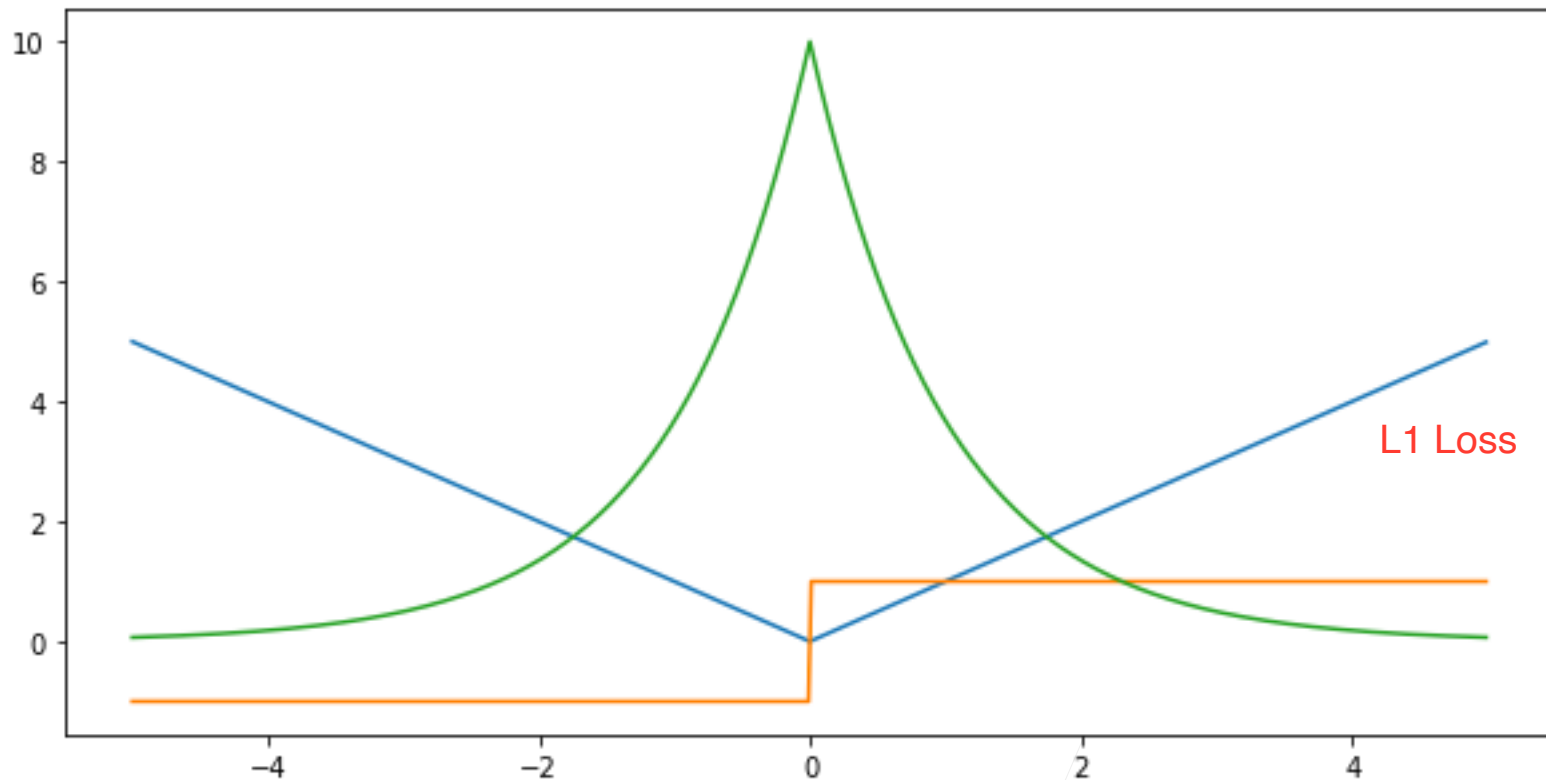
L2 Loss

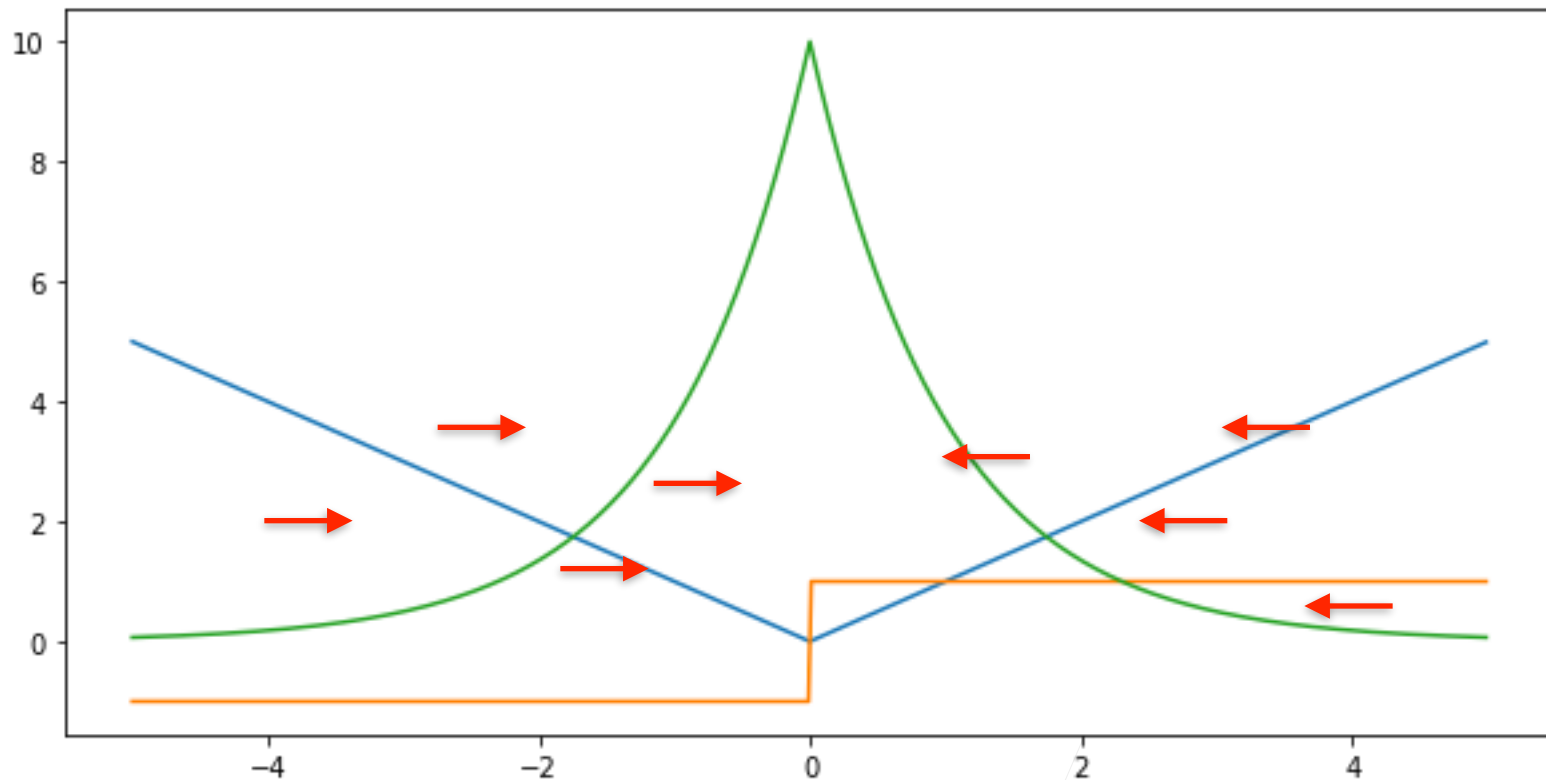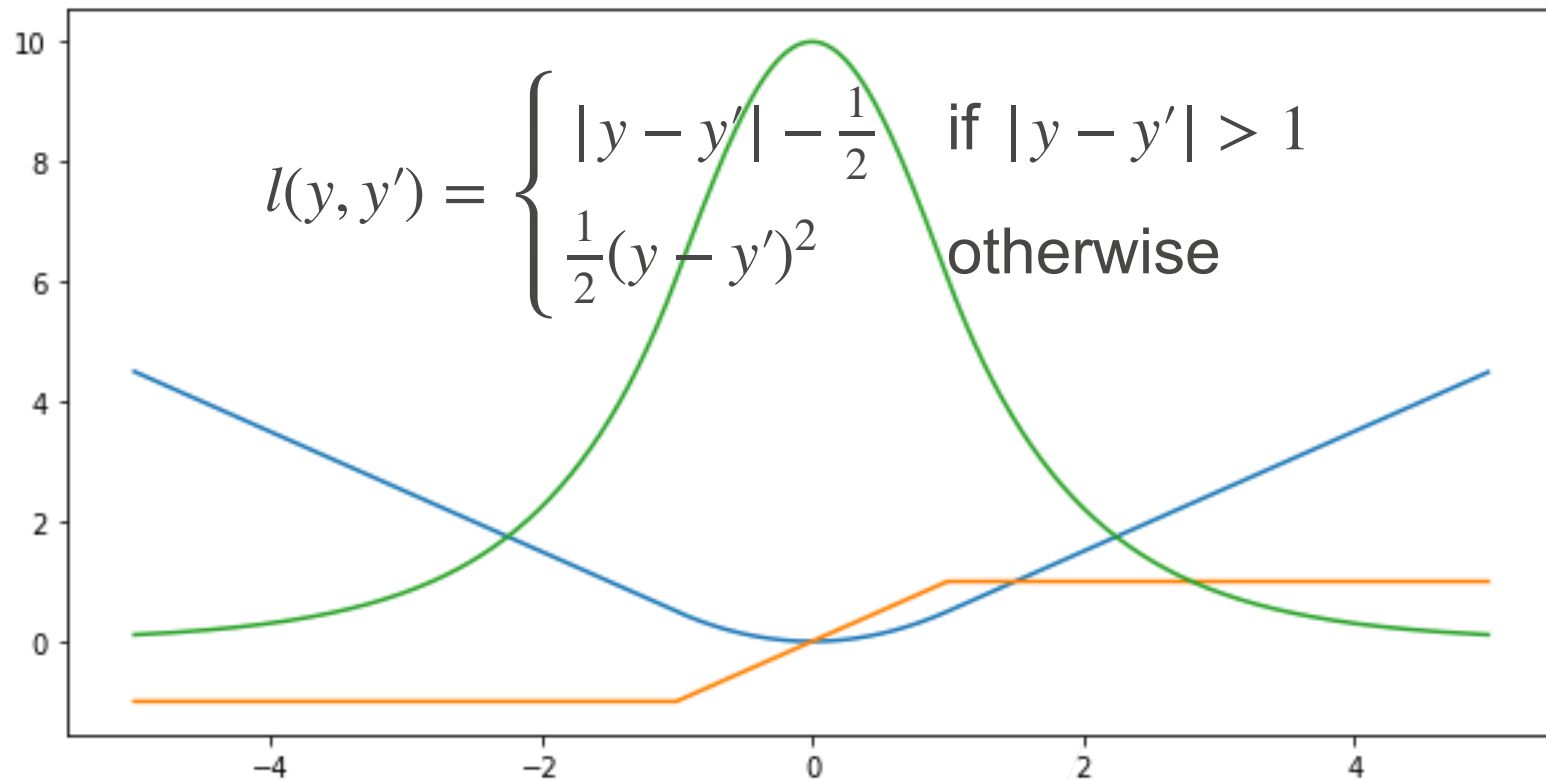$$l(y, y') = \frac{1}{2}(y - y')^2$$

L1 Loss

$$l(y, y') = |y - y'|$$

L1 Loss

L1 Loss

$$l(y, y') = |y - y'|$$

Huber's Robust Loss

$$l(y, y') = \begin{cases} |y - y'| - \frac{1}{2} & \text{if } |y - y'| > 1 \\ \frac{1}{2}(y - y')^2 & \text{otherwise} \end{cases}$$

Huber's Robust Loss

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