

1. Unanswered Questions

There are unanswered questions from the lecture, and there are likely more questions we haven't covered.

- Take a moment to think about these questions.
- Write down the ones you find important, confusing, or interesting.
- You do **not** need to answer them—just state them clearly.

Q:

① 在已知要學的函數是週期為 L 的函數時, 可先假設

$$h_\theta(x) = N_\theta\left(\cos\left(\frac{2\pi x}{L}\right), \sin\left(\frac{2\pi x}{L}\right)\right), \quad N_\theta: \mathbb{R}^2 \rightarrow \mathbb{R}$$

在此選 $\cos(\cdot)$ 和 $\sin(\cdot)$ 是跟 Fourier series analysis 有關嗎?

② 若是 $\mathbb{R}^n \rightarrow \mathbb{R}^m$ 的特殊函數, Network design 是什麼?

③ 針對特殊函數, 先做 network design, 就一定學得比較好嗎?