Notes Template

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Contents

1 Questions

1. What is the first question?

2. What is the second question?

2 Section 2

2.1 Subsection

Table of content is very important for thinking. The first section can be of Questions. And after that we can start with the next page of notes.

3 Adding bibliography

[1]

4 Adding Image

Remember: "vanilla" neural networks for predictions from clinical variables

Let us consider the task of **regression**: predicting a single real-valued output from input data

Model input: data vector $x = [x_1, x_2, ..., x_N]$ **Model output:** prediction (single number) $\hat{y}$

Example: predicting hospital length-of-stay from clinical variables in the electronic health record

$x =$ [age, weight, ..., temperature, oxygen saturation] $\hat{y} =$ length-of-stay (days)

References

[1] Pengwei Wu, Niral Sheth, Alejandro Sisniega, Tongyu Wang, Ali Uneri, Runze Han, Rohan Vijayan, Prasad Vagdargi, Bjoern Kreher, Holger Kunze, et al. C-arm non-circular orbits: Geometric calibration, image quality, and avoidance of metal artifacts. *arXiv preprint arXiv:2010.00175*, 2020.