

Breast Cancer Diagnosis

Hongjie Liu, Xicheng Xie, Jiajun Tao, Shaohan Chen, Yujia Li

2023-02-27

Outline

- ▶ Background
- ▶ Task 1
- ▶ Task 2
- ▶ Task 3
- ▶ Task 4
- ▶ Discussions
- ▶ Limitations and Future Work
- ▶ Reference
- ▶ Q&A

Background

Task 1

Task 2

Task 3

Task 4

Discussions

- ▶ There is much freedom when designing the simulations.
- ▶ In our algorithm, we have 5 parameters. n , p , ratio, c , corr
- ▶ More parameters can be adjusted.

Limitations and Future Work

- ▶ Limitation: We reproduced high-dimensional scenarios, but we still don't know the solution.
- ▶ Future Work: We may adjust other parameters to investigate further.

Reference

1. Li Y, Hong HG, Ahmed SE, Li Y. Weak signals in high-dimensional regression: Detection, estimation and prediction. Appl Stochastic Models Bus Ind. 2018;1–16. <https://doi.org/10.1002/asmb.2340>

Q&A

- ▶ Thanks for listening!
- ▶ Any questions?