biostatistics

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2024-03-07

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Preface

1 Introduction

This is a book created from markdown and executable code.

See Knuth (1984) for additional discussion of literate programming.

1 + 1

[1] 2

Part I

Part II

2 parameterEstimation

3 parameter Estimation

4 hypothesisTesting

5 hypothesis testing

7 Regression analysis

- 7.1
- 7.2
- 7.3

9 Cluster analysis

11 Dimensionality reduction

11.1

11.1.1 Principal component analysis(PCA)

11.2

11.2.1 Uniform Manifold Approximation and Projection(umap)

2018 McInnes UMAP Uniform Manifold Approximation and Projection for Dimension Reduction UMAP t-SNE

- Riemannian manifold
- •
- .

t-SNE

McInnes, L, Healy, J, UMAP: Uniform Manifold Approximation and Projection for Dimension Reduction, ArXiv e-prints 1802.03426, 2018

11.2.2 t-Distributed Stochastic Neighbor Embedding (t-SNE)

t-Distributed Stochastic Neighbor Embedding (t-SNE) (PCA) t-SNE

t-SNE t-SNE t-SNE KullbackLeibler KL)

t-SNE SNE SNE

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2 3

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https://zhuanlan.zhihu.com/p/64664346

11.2.2.1 t-SNE

Isomap LLE " " t-SNE MNIST

11.2.2.2 t-SNE

O(n^2) PCA

"Stochatsic"

PCA 50 t-SNE PCA sklearn init='pca'

13 Survival analysis

14 Summary

In summary, this book has no content whatsoever.

1 + 1

[1] 2

References

Knuth, Donald E. 1984. "Literate Programming." Comput.~J.~27~(2):~97-111.~https://doi.org/10.1093/comjnl/27.2.97.