

A bunch of random studies on cancer

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Chapter 1

Introduction

Here we introduce.

Chapter 2

Background

2.1 Kernel Methods

2.2 Boosting and Ensemble Methods

2.3 K Best Shortest Paths

Chapter 3

Flow Cytometry Analysis

Here we talk about flow cytometry data, how we analyze and visualize it; and how we use that analysis alongside with some machine learning tools to classify samples into cancer subtypes.

3.1 Flow Cytometry

3.2 Data Preprocessing and Challenges

3.3 High Dimensional Analysis and Visualization

3.3.1 flowType

3.3.2 RchyOptimyx

3.4 Lymphoma Diagnosis Quality Checking

Chapter 4

Adaptive Learning

Here we talk about adaptive and interpretable methods.

4.1 Challenges in Cancer Data

4.1.1 Cancer Heterogeneity

4.1.2 Batch Effects and Noise

4.2 RatBoost

4.3 Raccoon

Chapter 5

Conclusion