Development of an R Toolbox for Near-Infrared Spectroscopy Data Processing and Analysis of Plant Metabolic Phenotypes

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Introduction

The advancement and widespread use of heigh-throughput experimental technologies in the field of plant biology have introduced significant challenges in managing and analysing the vast datasets effectively. Addressing these challenges require innovative methods that maximize the data utility while mimnimizing computational inefficiencies and resource consumption, ensuring robust insights into complex biological systems (https://www.frontiersin.org/research-topics/6856/machine-learning-in-plant-science/articles).

1.1 Related Work

The related work include, the fillowings

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The background of this study include

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