Improving machine learning models for gut microbiome classification problems

and democratizing data science along the way

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Preface

This is a Quarto book.

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1Introduction

example reference (Schloss et al. 2009)

2OptiFit: an improved method for fitting amplicon sequences to existing OTUs

3Democratizing data science with open curricula and user-friendly software tools

4Predicting *C. difficile* infection severity from the taxonomic composition of the gut microbiome

5Discussion

References

Schloss, Patrick D., Sarah L. Westcott, Thomas Ryabin, Justine R. Hall, Martin Hartmann, Emily B. Hollister, Ryan A. Lesniewski, et al. 2009. "Introducing Mothur: Open-Source, Platform-Independent, Community-Supported Software for Describing and Comparing Microbial Communities." *Applied and Environmental Microbiology* 75 (23): 7537–41. https://doi.org/10.1128/AEM.01541-09.