

# Introduction to Statistical Computing in Scala - an Implementation of the K-Nearest Neighbors classifier

Roxana Tesileanu, *Research Assistant, National Institute of Forest Research and Management*

**Abstract**—Statistical computing in ecology evolves at a high speed, mainly because researchers have recognized the advantage of being able to design their algorithms according to their needs. The present paper introduces the implementation in Scala of the k-Nearest Neighbors (kNN) classifier based on Euclidean distances, which can be applied also on small datasets, a situation commonly encountered in ecological research.

**Index Terms**—machine learning in ecology, k-Nearest Neighbors classification, Scala

I. INTRODUCTION

II. CONCLUSION

APPENDIX A

SOURCE FILE 1

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APPENDIX B

SOURCE FILE 2

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Roxana Tesileanu My bio.