A better way to format your document for CEUR-WS

Darren Rawlings[1], Tim Chopard

[1]University of Groningen, Broerstraat 5, 9712 CP Groningen, Netherlands

Abstract

A clear and well-documented LaTeX document is presented as an article formatted for publication by CEUR-WS in a conference proceedings. Based on the "ceurart" document class, this article presents and explains many of the common variations, as well as many of the formatting elements an author may use in the preparation of the documentation of their work.

Keywords

LaTeX class, paper template, paper formatting, CEUR-WS

1. Introduction

Woodstock'22: Symposium on the irreproducible science, June 07–11, 2022, Woodstock, NY

[†]These authors contributed equally.

abc@def.ghi (D. Rawlings); timchopard@pm.me (T. Chopard)

https://startung.github.io/ (D. Rawlings); http://cloudberries.io (T. Chopard)

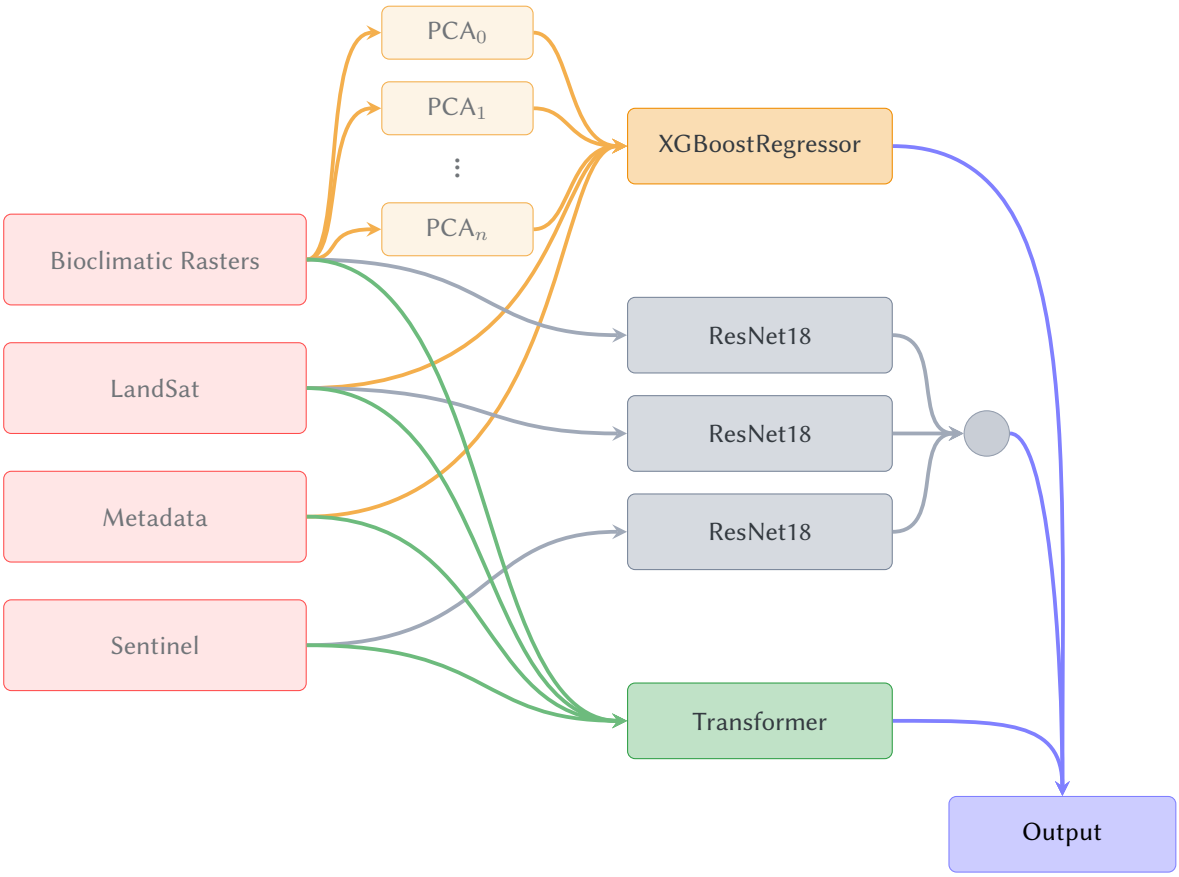

Figure 1: This diagram is just here temporarily and will be in a more relevant section when complete

2. Method

In order to manage the multilabel classification required for this research we implemented an ensemble approach. This section details the individual architectures and the methods used to combine them.

2.1. Architectures

The core architectures used in this project were 18 layer ResNet, XGBoost and [TRANSFORMER]. The outputs of these were then weighted and combined before the maximum arguments were selected.

2.1.1. XGBoost

XGBoost is an open source gradient tree boosting package [1]. For this research we used the xgbregression model It has shown broad success on a number of

2.1.2. [Resnet]

2.1.3. [Transformer]

2.2. Process

2.2.1. Species scoring

2.2.2. Species counts

2.3. Metrics

References

[1] T. Chen, C. Guestrin, XGBoost: A scalable tree boosting system, in: Proceedings of the 22nd ACM SIGKDD International Conference on Knowledge Discovery and Data Mining, KDD '16, ACM, New York, NY, USA, 2016, pp. 785–794. URL: http://doi.acm.org/10.1145/2939672.2939785. doi:10.1145/2939672.2939785.