

Conference Abstract

Introducing bdclean: a user friendly biodiversity data cleaning pipeline

Tomer Gueta[‡], Vijay Barve[§], Thiloshon Nagarajah[|], Ashwin Agrawal[¶], Yohay Carmel[‡]

[‡] Department of Civil and Environmental Engineering, The Technion – Israel Institute of Technology, Haifa, Israel

[§] Florida Museum of Natural History, Gainesville, United States of America

[|] Informatics Institute of Technology, Colombo, Sri Lanka

[¶] Indian Institute of Technology (IIT) -BHU, Varanasi, India

Corresponding author: Tomer Gueta (tomer.gu@gmail.com)

Received: 05 Apr 2018 | Published: 22 May 2018

Citation: Gueta T, Barve V, Nagarajah T, Agrawal A, Carmel Y (2018) Introducing bdclean: a user friendly biodiversity data cleaning pipeline. Biodiversity Information Science and Standards 2: e25564.

<https://doi.org/10.3897/biss.2.25564>

Abstract

A new R package for biodiversity data cleaning, 'bdclean', was initiated in the Google Summer of Code (GSoC) 2017 and [is available on github](#). Several R packages have great data validation and cleaning functions, but 'bdclean' provides features to manage a complete pipeline for biodiversity data cleaning; from data quality explorations, to cleaning procedures and reporting. Users are able go through the quality control process in a very structured, intuitive, and effective way. A modular approach to data cleaning functionality should make this package extensible for many biodiversity data cleaning needs. Under GSoC 2018, 'bdclean' will go through a comprehensive upgrade. New features will be highlighted in the demonstration.

Presenting author

Tomer Gueta

Grant title

ISF Grant No. 127/16

Google Summer of Code program