

Ontology for R language packages

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Our aim is an ontology for R language packages published on The Comprehensive R Archive Network. First, we try to enhance the current metadata information available on CRAN. In addition, with a software extracting the enriched metadata information on package uploads that can fill the ontology with instances, connection to the Mathematical Research Data Initiative (MaRDI) portal and knowledge graph are established. Based on this ontology, the user experience can be further enhanced as well, e.g., automatic recommendations for CRAN task views or packages linked to publications, mathematical methods, algorithms, and models.

Authors: NEMETH, Laszlo (Weierstrass Institute for Applied Analysis and Stochastics); TABELOW, Karsten (Weierstrass Institute for Applied Analysis and Stochastics); KOPRUCKI, Thomas (Weierstrass Institute for Applied Analysis and Stochastics)

Presenter: NEMETH, Laszlo (Weierstrass Institute for Applied Analysis and Stochastics)

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