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Mini Review

Problem of generating more general food domain ontology

John Dzikunoo*

Department of Food Science and Technology, University of Dayton, USA

E-mail: johndzikunoo@gmail.edu

INTRODUCTION

To link and harmonize completely different data repositories with atom knowledge, we have a tendency to propose ISO-FOOD metaphysics as domain metaphysics for describing atom knowledge among Food Science. The ISO-FOOD metaphysics consists of data and place of origin knowledge that has to be keeping beside knowledge parts so as to explain atom measurements with all necessary data needed for future analysis. The new domain has been joined with existing ontologies, like Units of Measurements metaphysics, Food, Nutrient and also the list metaphysics. To indicate however such metaphysics is employed in practise, it absolutely was inhabited with twenty atom measurements of Slovenian food samples. Describing knowledge during this means offers a robust technique for organizing and sharing stable atom knowledge across Food Science (Kovac, 2017).

Every educational discipline or field creates ontologies to limit complexness and organize knowledge into data and data. Every uses metaphysics assumptions to border express theories, analysis and applications. New ontologies could improve downside finding among that domain. Translating analysis papers among each field may be a downside created easier once specialists from completely different countries maintain a controlled vocabulary of jargon between every of their languages (Foley JA et al., 2011). Agricultural analysis and its applications to food production area unit undergoing a vital shift in direction. The bulk of analysis and its implementation within the twentieth century were directed towards augmented productivity, with the goal of sky rocketing the amount of food calories accessible. That goal has currently been broadened to feature augmented price to agricultural commodities and product. With the growing awareness that unbalanced diets area unit conducive to metabolic diseases.

With the growing awareness that unbalanced diets area unit conducive to metabolic diseases which specific parts in agricultural commodities could offer protection from chronic diseases, analysis has targeted health as being one attribute that may increase the standard, and thus price, of agriculture. It's been tough to deal with this goal, partially as a result of health, as a scientific target, has itself not been well outlined. Before analysis in up the health price of agricultural product is assured, the essential vocabularies that outline health and capture its complexness should be established scientifically, and created in public accessible (Lange et al., 2007).

The ISO-FOOD metaphysics has been created at intervals the ERA Chair ISO-FOOD with the aim to support researchers in exploring data from the domain of food isotopes. It allows linkage of numerous knowledge coming back from totally different knowledge sets additionally because the extraction of relevant data from that data. Further, such Associate in Nursing metaphysics can facilitate stable atom scientists, knowledge managers, educators and trainers additionally as producers, management agencies and policy manufacturers to a lot of simply answer queries regarding quality of measurements in food commodities, the most stable atom characteristics of food of plant and animal origin, geographical location, and legitimacy (Schrimlet al., 2012).

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