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Two questions of "class": Kind of quantity and Classification

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The need to handle ordinal and nominal data is currently being addressed in various work going on amongst ontology organisations and various standards bodies dealing with concept systems in response to big data, machine reading in applications such as the medical field. At the same time, some prominent statisticians have been reticent about accepting someone else telling them what scales they should use when analysing data. This presentation reviews how two key concepts - Kind of quantity and Classification - can be defined and form the basis for comparability, additivity, dimensionality, etc and are essential to include in any concept system for Quantity. Examples include on-going research on neurodegeneration as studied in the European EMPIR project NeuroMET2.

Keywords

Kind of quantity, classification, ordinal

Special/invited session

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