

# Government transparency measurement through prioritized distance operators

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## Abstract

The prioritized induced probabilistic ordered weighted average distance (PIPOWAD) has been developed. This new operator is an extension of the ordered weighted average (OWA) operator that can be used in cases where we have two sets of data that want to be compared. Some of the main characteristics of this new operator are: 1) Not all the decision makers are equally important, so the information needs to be prioritized, 2) The information has a probability to occur and 3) The decision makers can change the importance of the information based in an induced variable. Additionally, characteristics and families of the PIPOWAD operator are presented. Finally, an application of the PIPOWAD operator in order to measure government transparency in Mexico is presented.

## Palabras clave

**Palabras clave de autor:** [OWA operator](#); [prioritized aggregation operators](#); [induced aggregation operators](#); [probabilistic aggregation operators](#); [transparency and access to information](#)

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