

# Finding the Nation with the Highest Rate of Deaths due to Cancer Using PROMETHEE

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**Abstract:** *Cancer is a growing problem in today's world. Cancer is considered to be the leading cause of death in many countries. The incidence rates for various cancer forms vary by nation and can depend on many factors such as the lifestyle of the people, obesity rates, exposure to certain chemicals, family history, and others. As preventing cancer is a significant public health challenge, it is important to identify which country is leading in death rates due to the disease. This study uses a Multi-criteria decision-making (MCDM) method named Preference Ranking Organization Method for Enrichment Evaluation (PROMETHEE) to perform this test and rank the countries on this basis. The outcome of the decision-making process is to create awareness among people to reduce the effects caused by cancer in that particular country*

**Keywords:** Multi-criteria, Cancer, ranking, countries, decision-making

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