**Why?**

- Significant field nowadays
- Increasing number of developments of decision support tools
- R is not extensively used among users of Decision Making Theory
- There is no a unique free software for all these methods that is sufficiently comprehensive
- Using R makes integration among diverse analyses easy
- Other advantages of the R environment/project are already well-known

**What?**

- Showing how R could help decision - making researchers and practitioners
- General overview of different useful R packages for GDMP
- Base R offers a lot of functionality useful in the field, and complemented by several packages on CRAN.
- These packages can be roughly structured into those with more fundamental methods and those with extremely useful utilities
- Some packages are outside CRAN like GDM-R and GDM-ViewR\(^{(1)}\)

**Ideas for future packages**

- PROMETHEE (Preference Ranking Organization METHod for Enrichment of Evaluations)
- MACBETH (Measuring Attractiveness by a categorical Based Evaluation Technique)
- DEMATEL ( Decision-Making Trial and Evaluation Laboratory)

**References:**


**Number of downloads**

**Specific R packages for decision - making problems available in CRAN repository**

- Number of downloads of specific packages from CRAN during a month (12/05/2017 up to 12/06/2017)
- Data from https://www.rdocumentation.org

**Number of downloads**

**Packages including relevant useful utilities for decision - making problems**

- Number of downloads of some packages from CRAN (12/05/2017 up to 12/06/2017)
- Data from https://www.rdocumentation.org