

# malDecision user guide

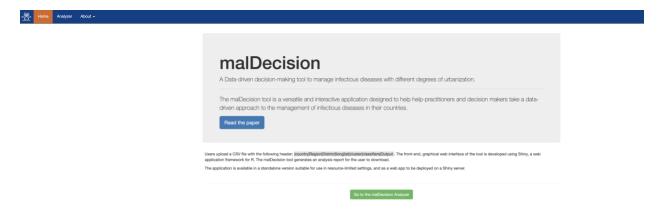
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## What is malDecision?

Data-driven decision-making to manage infectious diseases throughout the country with different degrees of urbanization. This tool is versatile and interactive.

The home page of malDecision briefly presents the tool and introduces the reference paper where the tool has been introduced.

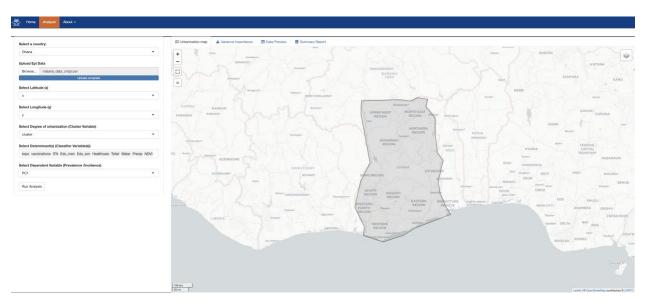


## How to use the app?

Please insert a CSV file formatted as follows. A template of the file can be downloaded here. |country|Region|District|long|lat|cluster| classifiers| Output

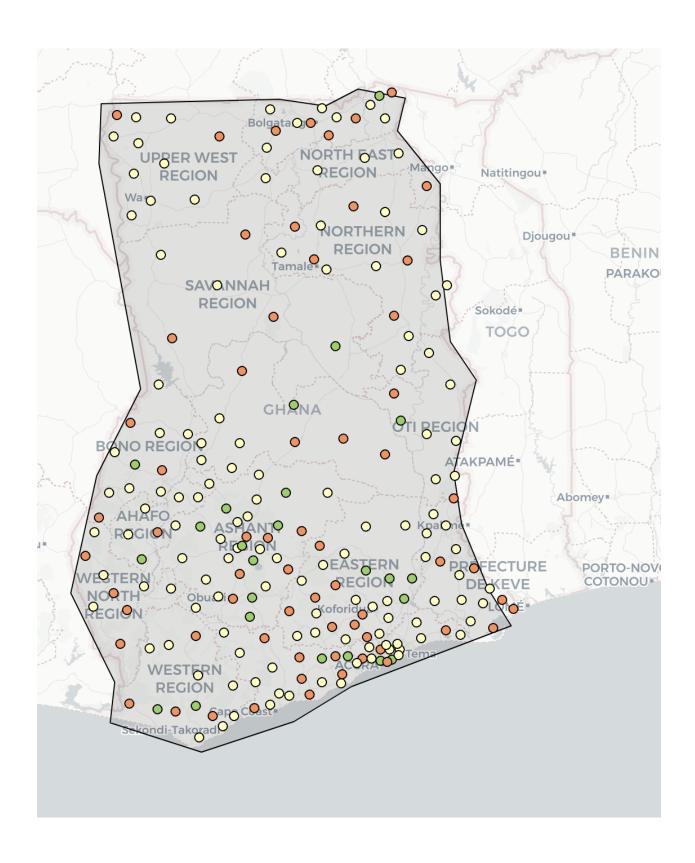
Clusters represent the degree of urbanization of the area and classifiers represent the factors that determine access. The output variable represents the variable to be predicted, such as prevalence or incidence.

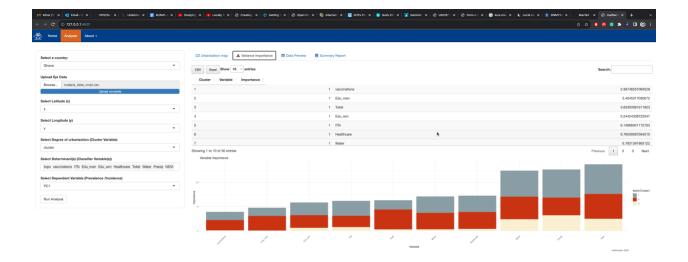
After choosing the country, the study areas were selected. In the left panel, the user can upload his dataset and select his variables.



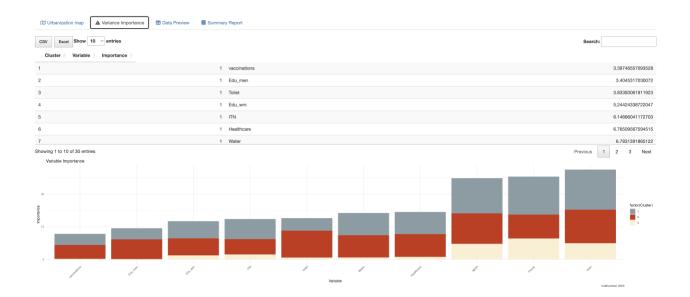
After selecting the variables of interest for the users and clicking on the button run analysis, results are shown starting from the interactive map to the list of variables ordered by importance for each degree of urbanization.

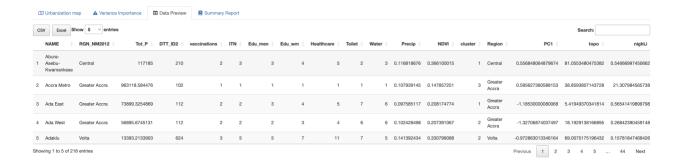
- 1. Load the file.
- 2. Choose a variable cluster that represents the degree of urbanization.
- 3. Select the classifiers (topo, precipitation, etc.) that represent the determinants.
- 4. Choose the output variable (PC1)
- 5. With a single click, you can run the analysis.





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Moreover, users can download a custom pdf report showing the results of the analysis. Besides, users can download the Excel sheet showing the importance of the variables by the degree of urbanization.

