



RESEARCH METHODOLOGY

Midterm#2



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Question 1:

Extract the results using **PRISMA methods**. Your search target should be Applied and meeting any criteria of Sustainable Development Goals (SDGs), Machine Learning and Location based Systems.

Write down the eligibility criteria (such as years considered or any other rationale for the study).

- 7 years consider
- English
- Published in well-known Computer Science Databases. E.g., Science Direct, ACM, IEEE Explore etc.

Mention the information sources and search criteria (including any limits used).

Information Sources

Date: 1-1-2015 to 8-11-2022.

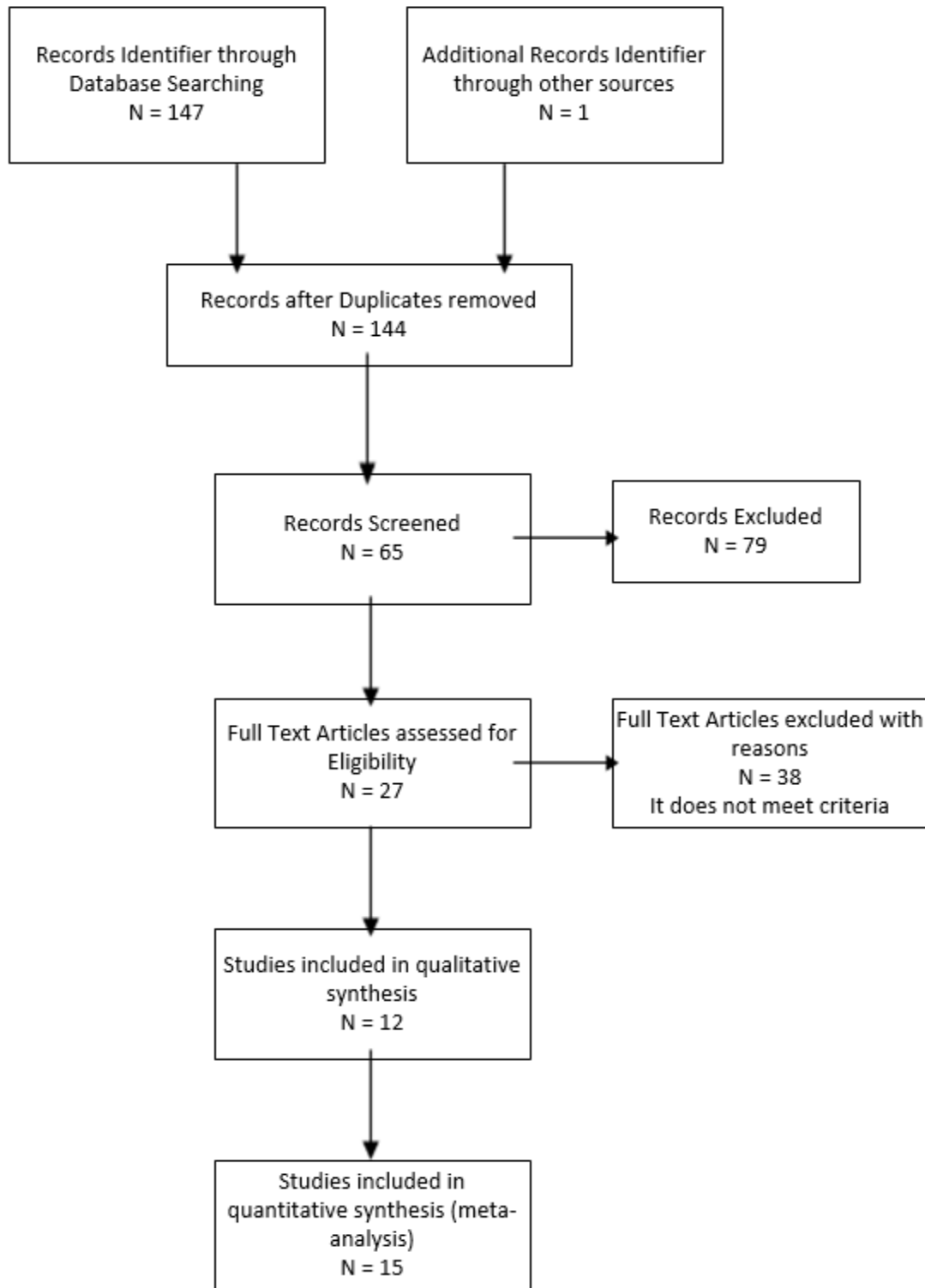
Databases: Science Direct, ACM, and IEEE Explore

Search Criteria

Research must be related to Sustainable Development Goals (SDGs) and should be under Machine Learning/Artificial Intelligence and GIS/Location-based Systems. For Databases I used Science Direct, ACM, and IEEE Explore. There were some papers in ACM we can't find DOI for direct accessing article.

Draw the PRISMA flow diagram of your search results with complete details and screening process.

PRISMA



In different databases, E.g. Science Direct, ACM, and IEEE Explore we get query and time specified then our result come. I used **Zotero software** for duplication removal.

Screening Process:

- **Title based:**
- **Abstract read:**
 - If we cannot find our research requirement, then we read article read.
- **Article read**

Considering your results mention the main questions and problems that you have been addressed to date and what are the major issues and debates about the topic?

Considering after reading the articles. The major issues and debates were all about the Sustainable Development Goals (SDGs) linked with GIS or Location based systems, and using Machine Learning or Artificial intelligence in these domains. How, can we be sure whether the research we doing is beneficial for people or not.

Draft 2-3 objectives for your thesis considering articles screened.

The main objective for my thesis considering articles screened would be related to Sustainable Development Goals and must be related to GIS or Location based system using some techniques like Machine Learning or Artificial Intelligence.

Screening Process include title based, abstract read, and article read.