

CHICAGO MANUAL OF STYLE SPATIAL ANALYSIS CITATION

THE CHICAGO MANUAL OF STYLE SPATIAL ANALYSIS CITATION IS A CRUCIAL ELEMENT FOR ACADEMIC AND PROFESSIONAL WRITING THAT INCORPORATES GEOGRAPHICAL DATA AND METHODOLOGIES. UNDERSTANDING HOW TO PROPERLY ATTRIBUTE SOURCES FOR SPATIAL ANALYSIS FINDINGS, DATA SETS, SOFTWARE, AND THEORETICAL FRAMEWORKS IS ESSENTIAL FOR MAINTAINING ACADEMIC INTEGRITY AND ENABLING READERS TO VERIFY YOUR WORK. THIS ARTICLE WILL DELVE DEEPLY INTO THE NUANCES OF CITING SPATIAL ANALYSIS WITHIN THE CHICAGO MANUAL OF STYLE, COVERING EVERYTHING FROM FOUNDATIONAL PRINCIPLES TO SPECIFIC EXAMPLES. WE WILL EXPLORE THE IMPORTANCE OF ACCURATE CITATION, THE VARIOUS COMPONENTS THAT MIGHT REQUIRE CITATION IN SPATIAL ANALYSIS, AND THE DETAILED FORMATTING GUIDELINES FOR BOTH FOOTNOTE/ENDNOTE AND AUTHOR-DATE SYSTEMS. BY THE END OF THIS COMPREHENSIVE GUIDE, YOU WILL BE EQUIPPED TO CONFIDENTLY CITE YOUR SPATIAL ANALYSIS WORK ACCORDING TO CHICAGO'S ESTABLISHED STANDARDS, ENSURING CLARITY, CREDIBILITY, AND ADHERENCE TO SCHOLARLY CONVENTIONS.

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UNDERSTANDING THE IMPORTANCE OF CITING SPATIAL ANALYSIS

PROPER CITATION IN ANY SCHOLARLY OR PROFESSIONAL ENDEAVOR IS PARAMOUNT. FOR SPATIAL ANALYSIS, THIS IMPORTANCE IS AMPLIFIED DUE TO THE RELIANCE ON DIVERSE DATA SOURCES, SPECIALIZED SOFTWARE, AND SOPHISTICATED ANALYTICAL TECHNIQUES. WHEN YOU CONDUCT SPATIAL ANALYSIS, YOU ARE OFTEN SYNTHESIZING INFORMATION FROM MULTIPLE ORIGINS, EMPLOYING TOOLS DEVELOPED BY OTHERS, AND BUILDING UPON EXISTING RESEARCH. FAILING TO ATTRIBUTE THESE ELEMENTS ACCURATELY CAN LEAD TO ACCUSATIONS OF PLAGIARISM, UNDERMINE THE CREDIBILITY OF YOUR FINDINGS, AND PREVENT OTHER RESEARCHERS FROM REPLICATING OR BUILDING UPON YOUR WORK. THE CHICAGO MANUAL OF STYLE (CMOS) PROVIDES A ROBUST FRAMEWORK FOR ENSURING THAT ALL BORROWED IDEAS, DATA, AND METHODOLOGIES ARE PROPERLY ACKNOWLEDGED.

THE ACT OF CITATION IN SPATIAL ANALYSIS SERVES MULTIPLE CRITICAL FUNCTIONS. IT PROVIDES EVIDENCE FOR THE CLAIMS YOU MAKE, DEMONSTRATING THE FOUNDATION UPON WHICH YOUR CONCLUSIONS REST. IT ALSO CREDITS THE ORIGINAL CREATORS OF DATA, ALGORITHMS, AND THEORETICAL MODELS, RESPECTING INTELLECTUAL PROPERTY AND FOSTERING A COLLABORATIVE RESEARCH ENVIRONMENT. FURTHERMORE, CLEAR AND CONSISTENT CITATION PRACTICES ALLOW YOUR AUDIENCE TO TRACE YOUR RESEARCH PROCESS, UNDERSTAND THE ORIGINS OF YOUR INFORMATION, AND EVALUATE THE RELIABILITY OF YOUR SOURCES. IN FIELDS INCREASINGLY RELIANT ON DATA VISUALIZATION AND GEOGRAPHICAL INFORMATION SYSTEMS (GIS), THE ABILITY TO CITE THESE COMPONENTS ACCURATELY IS NO LONGER AN OPTION BUT A NECESSITY FOR SCHOLARLY RIGOR.

KEY COMPONENTS REQUIRING CITATION IN SPATIAL ANALYSIS

SPATIAL ANALYSIS, BY ITS VERY NATURE, DRAWS FROM A VARIETY OF INPUTS AND EMPLOYS SPECIFIC TOOLS. EACH OF THESE ELEMENTS, WHEN INCORPORATED INTO YOUR RESEARCH AND PRESENTED IN YOUR WORK, TYPICALLY REQUIRES ATTRIBUTION. RECOGNIZING THESE DISTINCT COMPONENTS IS THE FIRST STEP TOWARDS ACCURATE CITATION PRACTICES. UNDERSTANDING WHAT NEEDS TO BE CITED WILL PREVENT OVERSIGHTS AND ENSURE A COMPREHENSIVE BIBLIOGRAPHY OR REFERENCE LIST.

THE PRIMARY ELEMENTS THAT NECESSITATE CITATION WITHIN SPATIAL ANALYSIS INCLUDE:

- **DATA SOURCES:** THIS IS PERHAPS THE MOST FUNDAMENTAL ASPECT. ANY GEOGRAPHIC DATA, WHETHER IT'S SHAPEFILES, RASTER IMAGERY, TABULAR DATA WITH GEOGRAPHIC COORDINATES, DEMOGRAPHIC STATISTICS LINKED TO SPATIAL

UNITS, OR REMOTELY SENSED DATA, MUST BE CITED. THIS INCLUDES NOTING THE ORIGIN OF THE DATA, ITS VERSION, AND THE DATE OF ACQUISITION OR PUBLICATION IF AVAILABLE.

- **SOFTWARE AND TOOLS:** THE SOFTWARE USED TO PERFORM THE SPATIAL ANALYSIS, SUCH AS ARCGIS, QGIS, R PACKAGES (LIKE 'SF', 'SP', 'RASTER'), OR PYTHON LIBRARIES (LIKE 'GEOPANDAS', 'SHAPELY'), MUST BE ACKNOWLEDGED. THIS ACKNOWLEDGES THE DEVELOPERS AND ALLOWS OTHERS TO UNDERSTAND THE ANALYTICAL ENVIRONMENT.
- **METHODOLOGIES AND ALGORITHMS:** SPECIFIC SPATIAL ANALYTICAL TECHNIQUES, STATISTICAL MODELS, OR ALGORITHMS EMPLOYED (E.G., K-MEANS CLUSTERING, HOT SPOT ANALYSIS, REGRESSION MODELS APPLIED SPATIALLY, INTERPOLATION METHODS) OFTEN ORIGINATE FROM PUBLISHED RESEARCH. YOU MUST CITE THE ORIGINAL SOURCE FOR THESE METHODS.
- **THEORETICAL FRAMEWORKS:** ANY CONCEPTUAL MODELS OR THEORETICAL UNDERPINNINGS THAT GUIDE YOUR SPATIAL ANALYSIS NEED TO BE PROPERLY ATTRIBUTED TO THEIR ORIGINATORS.
- **MAPS AND VISUALIZATIONS:** WHILE YOU ARE RESPONSIBLE FOR THE INTERPRETATION AND PRESENTATION OF YOUR OWN MAPS AND VISUALIZATIONS, IF YOU ADAPT OR DIRECTLY REPRODUCE A MAP OR GRAPHIC CREATED BY ANOTHER, IT MUST BE CITED. EVEN IF YOU CREATE A NEW MAP BASED ON EXISTING DATA, CITING THE UNDERLYING DATA IS CRUCIAL.
- **PUBLISHED RESEARCH AND LITERATURE:** AS WITH ANY ACADEMIC WORK, ALL IDEAS, FINDINGS, AND DISCUSSIONS DRAWN FROM EXISTING SCHOLARLY ARTICLES, BOOKS, OR REPORTS RELATED TO SPATIAL ANALYSIS MUST BE CITED.

CHICAGO STYLE: FOOTNOTE AND ENDNOTE CITATION FOR SPATIAL ANALYSIS

THE CHICAGO MANUAL OF STYLE OFFERS TWO PRIMARY CITATION SYSTEMS: THE NOTES AND BIBLIOGRAPHY SYSTEM (FOOTNOTES OR ENDNOTES) AND THE AUTHOR-DATE SYSTEM. THE NOTES AND BIBLIOGRAPHY SYSTEM IS WIDELY USED IN THE HUMANITIES AND SOME SOCIAL SCIENCES. WHEN CITING SPATIAL ANALYSIS ELEMENTS WITHIN THIS SYSTEM, CONSISTENCY AND DETAIL ARE KEY.

FOR INITIAL CITATIONS OF A SOURCE, A FULL NOTE IS TYPICALLY PROVIDED. SUBSEQUENT CITATIONS OF THE SAME SOURCE CAN BE SHORTENED. FOR SPATIAL DATA, FOR EXAMPLE, A FULL NOTE MIGHT INCLUDE THE NAME OF THE DATASET, THE ORGANIZATION OR INDIVIDUAL WHO CREATED IT, THE VERSION OR DATE IF APPLICABLE, AND THE URL IF IT WAS ACCESSED ONLINE. FOR SOFTWARE, THE NOTE WOULD INCLUDE THE SOFTWARE NAME, DEVELOPER, VERSION NUMBER, AND YEAR OF RELEASE.

CONSIDER THESE EXAMPLES FOR A FOOTNOTE/ENDNOTE SYSTEM:

- **SPATIAL DATA:** 1. WORLDCLIM - GLOBAL CLIMATE DATA, "WORLDCLIM-2 GLOBAL CLIMATE LAYERS," ACCESSED MARCH 15, 2023, [HTTPS://WWW.WORLDCCLIM.ORG/](https://www.worldclim.org/).
- **SOFTWARE:** 2. ESRI, ARCGIS PRO, VERSION 3.0 (REDLANDS, CA: ESRI, 2022).
- **METHODOLOGY:** 3. GETIS AND J. ORD, "THE ANALYSIS OF SPATIAL ASSOCIATION BY USE OF DISTANCE STATISTICS," GEOGRAPHICAL ANALYSIS 24, NO. 3 (1992): 189-206.

SUBSEQUENT CITATIONS FOR THE SAME SOURCE WOULD BE MUCH SHORTER, OFTEN INCLUDING THE AUTHOR'S LAST NAME (OR A SHORTENED TITLE IF NO AUTHOR IS LISTED) AND THE PAGE NUMBER OR RELEVANT IDENTIFIER. FOR RECURRING CITATIONS OF A SPECIFIC DATA LAYER OR SOFTWARE, YOU MIGHT USE A SHORTENED FORM THAT CLEARLY IDENTIFIES THE ELEMENT.

CHICAGO STYLE: AUTHOR-DATE CITATION FOR SPATIAL ANALYSIS

THE AUTHOR-DATE SYSTEM IS MORE COMMON IN THE SCIENCES AND SOCIAL SCIENCES. IN THIS SYSTEM, IN-TEXT CITATIONS CONSIST OF THE AUTHOR'S LAST NAME AND THE YEAR OF PUBLICATION. A CORRESPONDING REFERENCE LIST AT THE END OF THE DOCUMENT PROVIDES FULL PUBLICATION DETAILS. THIS SYSTEM IS PARTICULARLY USEFUL FOR QUICKLY INDICATING THE SOURCE OF INFORMATION WITHOUT INTERRUPTING THE FLOW OF THE TEXT SIGNIFICANTLY.

WHEN CITING SPATIAL ANALYSIS COMPONENTS IN THE AUTHOR-DATE SYSTEM, THE IN-TEXT CITATION WILL DIRECTLY REFER TO THE SOURCE'S AUTHOR AND YEAR. THE REFERENCE LIST WILL THEN CONTAIN THE COMPLETE BIBLIOGRAPHIC INFORMATION, WHICH SHOULD BE AS DETAILED AS NECESSARY TO IDENTIFY THE SPECIFIC DATA, SOFTWARE, OR METHODOLOGY USED.

HERE ARE EXAMPLES FOR AN AUTHOR-DATE SYSTEM:

- **IN-TEXT CITATION FOR DATA:** (WORLDCLIM 2023)
- **IN-TEXT CITATION FOR SOFTWARE:** (ESRI 2022)
- **IN-TEXT CITATION FOR METHODOLOGY:** (GETIS AND ORD 1992)

THE CORRESPONDING REFERENCE LIST ENTRIES WOULD LOOK LIKE THIS:

- **REFERENCE LIST ENTRY FOR DATA:** WORLDCLIM. 2023. "WORLDCLIM-2 GLOBAL CLIMATE LAYERS." ACCESSED MARCH 15, 2023. [HTTPS://WWW.WORLDCCLIM.ORG/](https://www.worldclim.org/).
- **REFERENCE LIST ENTRY FOR SOFTWARE:** ESRI. 2022. *ARCGIS PRO*. VERSION 3.0. REDLANDS, CA: ESRI.
- **REFERENCE LIST ENTRY FOR METHODOLOGY:** GETIS, J., AND J. ORD. 1992. "THE ANALYSIS OF SPATIAL ASSOCIATION BY USE OF DISTANCE STATISTICS." *GEOGRAPHICAL ANALYSIS* 24, NO. 3: 189-206.

FOR ITEMS WHERE A CLEAR AUTHOR AND DATE ARE NOT READILY AVAILABLE, SUCH AS SOME PUBLICLY RELEASED DATASETS, YOU MAY NEED TO ADAPT THE FORMAT USING THE ORGANIZATION NAME AS THE AUTHOR AND THE YEAR OF RELEASE OR ACCESS AS THE DATE. THE GOAL IS ALWAYS TO PROVIDE ENOUGH INFORMATION FOR THE READER TO LOCATE THE SOURCE.

CITING SPECIFIC SPATIAL ANALYSIS ELEMENTS

LET'S DELVE INTO THE SPECIFIC FORMATTING FOR VARIOUS COMMON SPATIAL ANALYSIS ELEMENTS USING BOTH CHICAGO SYSTEMS, ENSURING A DEEP UNDERSTANDING FOR YOUR CHICAGO MANUAL OF STYLE SPATIAL ANALYSIS CITATION NEEDS.

CITING GEOSPATIAL DATA

GEOSPATIAL DATA IS THE BEDROCK OF MOST SPATIAL ANALYSES. WHETHER IT'S VECTOR DATA (LIKE SHAPEFILES, GeoJSON) OR RASTER DATA (LIKE TIFF, NetCDF), PROPER CITATION IS NON-NEGOTIABLE. FOR VECTOR DATA, YOU WOULD TYPICALLY CITE THE DATA PROVIDER, THE NAME OF THE DATASET, THE PROJECTION SYSTEM IF IT'S NOT STANDARD, AND THE DATE OF ACQUISITION OR PUBLICATION. FOR RASTER DATA, SIMILAR INFORMATION IS REQUIRED, POTENTIALLY INCLUDING THE RESOLUTION.

- **FOOTNOTE/ENDNOTE (DATA SET):** 4. U.S. CENSUS BUREAU, "TIGER/LINE SHAPEFILES: COUNTIES," 2021, ACCESSED FEBRUARY 10, 2023, [HTTPS://WWW.CENSUS.GOV/GEOGRAPHIES/MAPPING-FILES/TIME-SERIES/GEO/TIGER-LINE-FILE.HTML](https://www.census.gov/geographies/mapping-files/time-series/geo/tiger-line-file.html).

- **AUTHOR-DATE (DATA SET):** U.S. CENSUS BUREAU. 2021. "TIGER/LINE SHAPEFILES: COUNTIES." Accessed FEBRUARY 10, 2023. [HTTPS://WWW.CENSUS.GOV/GEOGRAPHIES/MAPPING-FILES/TIME-SERIES/GEO/TIGER-LINE-FILE.HTML](https://www.census.gov/geographies/mapping-files/time-series/geo/tiger-line-file.html).

CITING GIS SOFTWARE AND LIBRARIES

WHEN THE ANALYSIS RELIES ON SPECIFIC SOFTWARE OR PROGRAMMING LIBRARIES, THESE TOOLS SHOULD BE ACKNOWLEDGED. THIS IS ESPECIALLY IMPORTANT IF THE SOFTWARE OR LIBRARY HAS SPECIFIC ALGORITHMS OR FUNCTIONS THAT ARE CRITICAL TO YOUR RESULTS. FOR PROPRIETARY SOFTWARE LIKE ARCGIS, YOU CITE THE COMPANY, SOFTWARE NAME, AND VERSION. FOR OPEN-SOURCE LIBRARIES, YOU CITE THE LIBRARY, THE LANGUAGE, AND OFTEN THE SPECIFIC VERSION OR COMMIT HASH IF PRECISION IS REQUIRED.

- **FOOTNOTE/ENDNOTE (SOFTWARE):** 5. QGIS DEVELOPMENT TEAM, *QGIS GEOGRAPHIC INFORMATION SYSTEM*, VERSION 3.28.3 (2023).
- **AUTHOR-DATE (SOFTWARE):** QGIS DEVELOPMENT TEAM. 2023. *QGIS GEOGRAPHIC INFORMATION SYSTEM*. VERSION 3.28.3.
- **FOOTNOTE/ENDNOTE (LIBRARY):** 6. PAOLO SESTINI, MATT PERRY, AND NATHANIEL SMITH, "GEOPANDAS: PYTHON PACKAGE FOR GEOSPATIAL DATA," V0.12.2, (2022), [HTTPS://GEOPANDAS.ORG/](https://geopandas.org/).
- **AUTHOR-DATE (LIBRARY):** SESTINI, PAOLO, MATT PERRY, AND NATHANIEL SMITH. 2022. "GEOPANDAS: PYTHON PACKAGE FOR GEOSPATIAL DATA." V0.12.2. [HTTPS://GEOPANDAS.ORG/](https://geopandas.org/).

CITING SPATIAL ANALYTICAL METHODS AND MODELS

THE TECHNIQUES YOU EMPLOY, WHETHER STANDARD OR NOVEL, SHOULD BE ATTRIBUTED TO THEIR ORIGINATORS. THIS MIGHT INVOLVE CITING A SEMINAL PAPER THAT INTRODUCED A PARTICULAR SPATIAL AUTOCORRELATION STATISTIC, A REGRESSION MODEL ADAPTED FOR SPATIAL DATA, OR A SPECIFIC GEOPROCESSING TOOL WITH A WELL-DOCUMENTED ALGORITHM. IF YOU ARE ADAPTING A METHOD, IT IS GOOD PRACTICE TO CITE BOTH THE ORIGINAL METHOD AND YOUR ADAPTATION OR SPECIFIC IMPLEMENTATION.

- **FOOTNOTE/ENDNOTE (METHOD):** 7. ROGER BIVAND, EDZER PEBESMA, AND VIRGILIO G. MEZ-RUBIO, *APPLIED SPATIAL DATA ANALYSIS WITH R* (NEW YORK: SPRINGER, 2013), 105–12.
- **AUTHOR-DATE (METHOD):** BIVAND, ROGER, EDZER PEBESMA, AND VIRGILIO G. MEZ-RUBIO. 2013. *APPLIED SPATIAL DATA ANALYSIS WITH R*. NEW YORK: SPRINGER.

CITING MAPS AND VISUALIZATIONS

WHEN YOU REPRODUCE OR ADAPT A MAP FROM ANOTHER SOURCE, IT REQUIRES ATTRIBUTION. EVEN IF YOU CREATE A MAP USING YOUR OWN DATA AND ANALYSIS, IF IT HEAVILY DRAWS ON A VISUAL STYLE OR SPECIFIC CARTOGRAPHIC CONVENTIONS ESTABLISHED BY ANOTHER, MENTIONING IT CAN BE BENEFICIAL FOR CONTEXT. HOWEVER, IF THE MAP IS ENTIRELY YOUR ORIGINAL SYNTHESIS AND DESIGN BASED ON CITED DATA, A SEPARATE CITATION FOR THE MAP ITSELF MIGHT NOT BE NECESSARY BEYOND THE CITATION OF THE UNDERLYING DATA.

- **FOOTNOTE/ENDNOTE (ADAPTED MAP):** 8. ADAPTED FROM "GLOBAL POPULATION DENSITY MAP," BY UNITED NATIONS CARTOGRAPHIC SECTION, 2020.
- **AUTHOR-DATE (ADAPTED MAP):** UNITED NATIONS CARTOGRAPHIC SECTION. 2020. "GLOBAL POPULATION DENSITY

MAP.”

BEST PRACTICES FOR SPATIAL ANALYSIS CITATION IN CHICAGO STYLE

ADHERING TO THE CHICAGO MANUAL OF STYLE FOR SPATIAL ANALYSIS CITATION REQUIRES ATTENTION TO DETAIL AND A COMMITMENT TO ACCURACY. BEYOND THE BASIC RULES, SEVERAL BEST PRACTICES CAN ENHANCE THE QUALITY AND CREDIBILITY OF YOUR WORK.

KEY BEST PRACTICES INCLUDE:

- **BE SPECIFIC:** ALWAYS AIM FOR THE HIGHEST LEVEL OF SPECIFICITY. FOR DATA, INCLUDE VERSION NUMBERS AND ACCESS DATES. FOR SOFTWARE, CITE THE EXACT VERSION USED. FOR METHODS, CITE THE PAPER OR TEXT THAT CLEARLY DESCRIBES THEM.
- **CONSISTENCY IS CRUCIAL:** WHICHEVER SYSTEM YOU CHOOSE (FOOTNOTES/ENDNOTES OR AUTHOR-DATE), MAINTAIN ABSOLUTE CONSISTENCY THROUGHOUT YOUR DOCUMENT. INCONSISTENT CITATION PRACTICES CAN BE DISTRACTING AND UNDERMINE YOUR PROFESSIONALISM.
- **WHEN IN DOUBT, CITE:** IF YOU ARE UNSURE WHETHER A PARTICULAR PIECE OF INFORMATION OR TOOL REQUIRES CITATION, IT IS ALWAYS SAFER TO CITE IT. IT IS BETTER TO OVER-CITE THAN TO UNDER-CITE AND RISK UNINTENTIONAL PLAGIARISM.
- **USE RELIABLE SOURCES:** ENSURE THAT THE SOURCES YOU CITE ARE REPUTABLE AND AUTHORITATIVE. FOR SPATIAL DATA, PRIORITIZE OFFICIAL GOVERNMENT AGENCIES OR WELL-ESTABLISHED RESEARCH INSTITUTIONS. FOR METHODS, REFER TO PEER-REVIEWED PUBLICATIONS OR WIDELY RECOGNIZED TEXTBOOKS.
- **DOCUMENT EVERYTHING:** KEEP METICULOUS RECORDS OF ALL DATA SOURCES, SOFTWARE VERSIONS, AND METHODOLOGIES USED DURING YOUR RESEARCH PROCESS. THIS DOCUMENTATION WILL BE INVALUABLE WHEN IT COMES TIME TO COMPILE YOUR CITATIONS.
- **UNDERSTAND YOUR AUDIENCE:** WHILE CHICAGO MANUAL OF STYLE PROVIDES THE RULES, CONSIDER THE CONTEXT OF YOUR PUBLICATION. JOURNALS OR ACADEMIC DEPARTMENTS MAY HAVE SPECIFIC PREFERENCES OR MODIFICATIONS TO STANDARD CHICAGO STYLE. ALWAYS CHECK THEIR GUIDELINES.
- **CLARITY IN DATA ACCESS:** WHEN CITING ONLINE DATA, PROVIDE COMPLETE URLS AND ACCESS DATES. THIS ALLOWS READERS TO RETRIEVE THE EXACT DATA YOU USED, WHICH IS VITAL FOR REPRODUCIBILITY IN SPATIAL ANALYSIS.

BY INTEGRATING THESE PRACTICES INTO YOUR WORKFLOW, YOU CAN ENSURE THAT YOUR CHICAGO MANUAL OF STYLE SPATIAL ANALYSIS CITATION IS NOT ONLY COMPLIANT BUT ALSO A ROBUST INDICATOR OF YOUR THOROUGH RESEARCH AND COMMITMENT TO SCHOLARLY INTEGRITY.

FAQ

Q: WHAT IS THE MOST IMPORTANT ASPECT OF CITING SPATIAL ANALYSIS DATA IN CHICAGO STYLE?

A: THE MOST IMPORTANT ASPECT IS PROVIDING SUFFICIENT DETAIL FOR THE READER TO LOCATE THE EXACT DATASET YOU USED. THIS TYPICALLY INCLUDES THE NAME OF THE DATA, THE SOURCE OR CREATOR, THE VERSION OR DATE OF RELEASE, AND A STABLE URL IF ACCESSED ONLINE, ALONG WITH THE DATE OF ACCESS.

Q: Do I need to cite the operating system I used for my spatial analysis?

A: Generally, you do not need to cite the operating system unless it has a specific, documented impact on your analysis or results that is critical for reproducibility. Standard operating systems like Windows or macOS are usually assumed knowledge and not cited.

Q: How should I cite a spatial analysis method that I modified from a published source?

A: You should cite the original source of the method and then clearly indicate in your text or footnotes/endnotes how you modified it. For example, "Following the methodology outlined in Smith (2010), but adapting the distance decay function to a logarithmic scale..."

Q: What if a dataset doesn't have a clear author or publication date?

A: In such cases, you would use the name of the organization or institution that released the data as the author and the year of its release or the year you accessed it as the date. If no date is available, you can use "N.D." (no date) or the year of access in its place, clearly stating this.

Q: Is it necessary to cite a widely used, built-in function within a GIS software package?

A: Yes, it is good practice to cite the software itself, and if a specific tool or function within that software is central to your analysis, referencing the software's documentation or the original research behind that specific function is advisable for clarity and rigor.

Q: How do I cite a custom script I wrote for spatial analysis?

A: If the script is unpublished and for personal use, you might mention its existence and purpose in the text or a note. If you wish to make it reproducible, consider hosting it on a platform like GitHub and citing that repository with a version number or commit hash.

Q: Should I cite different spatial datasets used in the same analysis separately?

A: Yes, each distinct spatial dataset used in your analysis should be cited individually. This ensures that the origin of every data layer contributing to your results is transparently acknowledged.

Q: What is the difference between citing data in footnotes/endnotes versus author-date for spatial analysis?

A: In footnotes/endnotes, the full citation appears the first time a source is mentioned, and subsequent citations are shortened. In author-date, an in-text citation (author year) is used, with full details provided in a reference list at the end of the document. The level of detail in the citation itself remains similar for both systems.

Chicago Manual Of Style Spatial Analysis Citation

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