

A Feasibility Study to Measure Public Funding of R&D to Universities & Nonprofits Using Administrative Data

Data Discovery Screening Questions

Basic Information:

1. What department(s) does the database cover?
2. What agencies does the database cover?
3. Is there a field specifying the federal department providing support?
4. Is there a field specifying the agency providing support?
5. Is there a field specifying the sub-agency providing support?
6. What dates are covered within this database?
7. How often is the database updated?
8. When was the database last updated?

Ease of obtaining/interpreting data:

9. Are there any legal restrictions on data usage?
10. Is a data dictionary or description of variables available?
11. How can we obtain this data (e.g. download, scrape, API)?
12. What is the size of the entire database, if downloaded?

Matching to survey data:

13. Does the database specify type of support (e.g. grants, cooperative agreements, contracts)?
14. Are sample data available?
15. Does the database distinguish R&D and S&E?
16. Does the database specify type of institution (e.g. nonprofit, academic institution, for-profit business)?
17. Is there a field that contains the project description or project keywords?
18. Does the database specify basic, applied, and development research?

Enabling Detailed Analysis:

19. What is the most granular level of location information for institution/research?
20. Does the database specify scientific discipline?
21. Is the specific dollar amount of support included?
22. Is the project name included?
23. Are there links to information about publications?
24. What is the smallest unit of observation?
25. How are award dates formatted?
26. Is institution name included?
27. Is information about the specific area of inquiry included?
28. Does the database include an abstract or proposal?