THE DATA CARDS PLAYBOOK • RESOURCE

Typology of Stakeholders

Participatory activities for purposeful, transparent, and people-centric dataset documentation





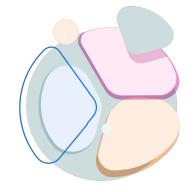
A Typology of Stakeholders

Stakeholders in a dataset's lifecycle can be bucketed into three categories

Producers = create datasets and/or documentation

Agents = use, evaluate, or determine how the dataset is used

Users = contribute to data and represent demographics who are impacted by use



PRODUCERS

of datasets and documentation

AGENTS

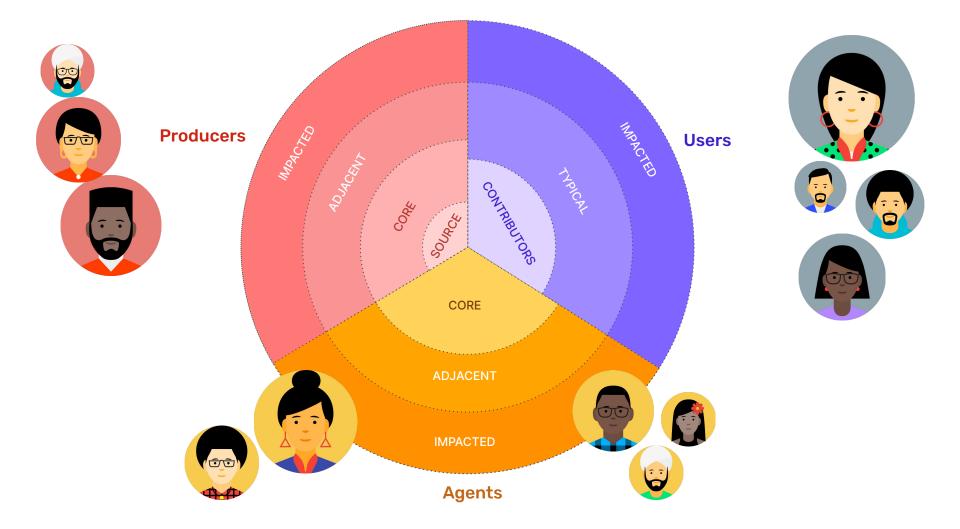
use datasets and documentation

USERS

interact with products using data

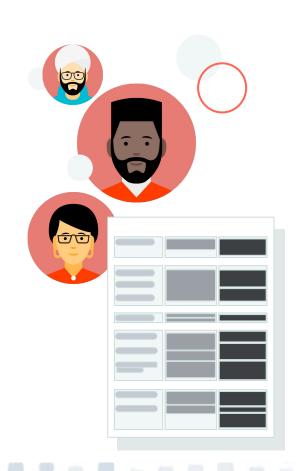


Dataset Ownership Launch and Maintenance Dataset Use Pipeline Maintenance Product Experience
Data Contribution



Producers = create datasets and/or documentation

- Responsible for the dataset's design, creation, quality testing, documentation, launch, adoption, follow-up maintenance, and future updates
- ► **Intended users** of this Playbook
- Examples: Researchers, Data Scientists and Analysts, Software Engineers, Product/Program Managers, etc.
- Common tasks: Dataset adoption, disclosure, future-proofing, fairness & security, improvements



Producers = create datasets and/or documentation

SOURCE

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People who implicitly or explicitly contribute data towards a dataset. The people, behaviors, and cultures represented by a dataset.

Product Users, Data Contributors, Surveyed Population

CORE

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The team of people responsible for producing and publishing dataset(s) and launch, adoption and/or success.

Researchers, Data Scientists, Software Engineers, Managers, Subject Matter Experts

ADJACENT

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Individuals and groups recruited to collect or label the data, provide advice on methods or interpretation, at various points during the data lifecycle.

Surveyors, Raters, Labellers, Validators, 3rd Party Vendors, Domain Experts

IMPACTED

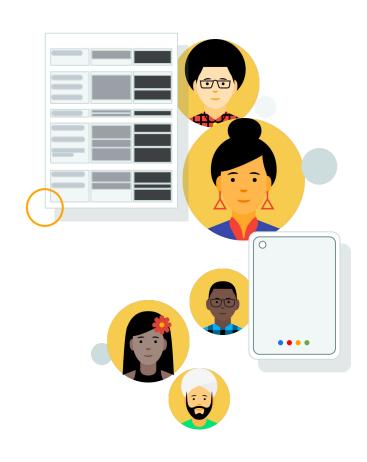
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Current and future team members, partners, clients, or data-hosting platforms, responsible for dataset maintenance or upkeep, deploying in production, monitoring.

Domain Experts, Data Platform Owners, Data Aggregators

Agents = use, evaluate, or determine how the dataset is used

- Producer's stakeholders people who will evaluate and use the dataset for their work, products, organizations, or communities
- Key audience of the Data Card but they may or may not interact with the dataset itself
- Examples: Machine Learning or Product Engineers, Researchers, 3rd Party Vendors, Subject Matter Experts, Leadership or Managers
- Common tasks: Manage complexity, accountability, make trade-offs, deploy in production, archive



Agents =
use,
evaluate, or
determine
how the
dataset is
used

CORE

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Industry and academic roles that use dataset(s) in their products, platforms, tools, and research.

Developers, Product Managers, Data Scientists, Creative Coders, Researchers, Teachers, Students

ADJACENT

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Roles that don't use the dataset, but evaluate and make decisions that can directly affect the goals of the producers or core agents.

Industry Consultants, Policy Experts, Legal Entities, Investigative Journalists, Community Reps, Domain Experts

IMPACTED

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Professional, expert-system, and domain expert roles whose work is affected by availability, updates, and removal of the data.

Domain Experts, Data Service Providers, Data Aggregators, Production Roles Users = contribute to data and represent demographics who are impacted by use

- Interact with the products, devices, and applications created by agents using the producer's datasets
- May choose to contribute their data through products and provide helpful signals for producers and agents
- ► **Examples:** Data Contributors, Product Users, Representatives of user cohorts
- Common tasks: Use products, understand data/privacy, provide feedback, raise concerns



Users = contribute to data and represent demographics who are impacted by use

TYPICAL

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Individuals or cohorts of users of a product or service that uses the data, and have an as-expected or neutral experience.

Consumers of products, platforms, or services

IMPACTED

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Individuals or cohorts of end users of products and services who are significantly affected (positive or negative) as a result of the data being used in the product or service.

Users with extreme experiences, Non-profit organizations, Legal representatives

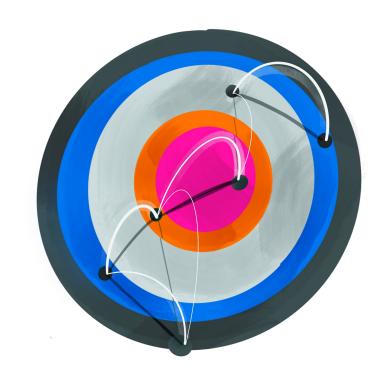
CONTRIBUTORS

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Users who produce or opt-in data in the product experience, which is then collected and turned into a dataset. In this case, these are often the same as source producers.

Users who opt-in data, People who operate machines that generate data, Research and Industry partners This typology represents a continuum of constantly shifting needs and expectations from datasets and their documentation.

There is no one-size-fits -all solution.





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