**The goal of this paper is not to reiterate the principles laid out by D’Ignazio and XX. Nor do we intend to suggest one set of guiding principles is superior to another. The goal of this paper is to interpret the principles in the context of agricultural research, and provide what we feel is evidence that their application lays the foundation for more transformative research.**

1. **Introduction**
   1. **Issues and concerns with data and power in general**
      1. **Academic movements** 
         1. **data justice**
         2. **xx**
      2. **pop culture**
         1. **women**
         2. **new jim crow**
         3. **algorithm bias**
      3. **etc**
   2. **Agriculture and power** 
      1. **Historical basis**
         1. **Jared Diamond**
         2. **Adam Smith (watch Ricardo Salvador’s stuff again)**
      2. **Class**
         1. **Against the Grain**
      3. **Continued issues today**
         1. **Land ownership**
         2. **Immigration**
         3. **Monopolies**
         4. **Generational wealth imbalances**
   3. **Agricultural research, its interactions with power**
      1. **In the US, Land Grant system**
      2. **Hmm**
      3. **Rissing paper**
   4. **Why is it needed?**
      1. **Talks about big data and issues, nothing in depth**
      2. **Agroecology principles…exclusive club**
      3. **Agriculture has a foundation filled with issues, takes conscientious work to correct**

**Option 1**

1. **Themes**
   1. **Power**
      1. **Power matrix, applied in agriculture**
         1. **Women**
         2. **Workable field days**
   2. **Reciproprocity in farmer relations**
      1. **Compensation- deserves its own section**
         1. **Perpetuates an extractive mentality. The ‘gift’ of ‘knowledge’ is XXXX.**
         2. **Grants should require any on-farm collaboration to be monetarily compensated**
      2. **Metrics for the relationship**
   3. **Framing**
      1. **Wizard and the Prophet, they are both demographically very similar, but have very different values and histories that are expressed in their world framing**
         1. **No such thing as an objective scientist**
      2. **Embrace your framing, it is there whether you acknowledge it or not**
         1. **Example? Need to think of a good one.** 
            1. **Do cover crops reduce weeds?**
            2. **Are cover crops as effective at reducing weeds as herbicides?**
            3. **Different framing, could have same figure, your figure should say why you are including it, what your take-away is. Maybe use PFI?**
   4. **Contextualize (don’t be a big dick data ninja)**
      1. **Why is this helpful?**
         1. **Cropscape data article (double cropping)**
         2. **NASS data increase in women producers**
         3. **Andrea R’s work**
      2. **Fill out the ‘what is this data’ card**
      3. **Present your results to people connected with the data before publishing them**

**Option 2**

1. **What research you do**

Data feminism is acutely tuned to the interactions between data and power, and the first two tenets relate directly to it. As an agricultural researcher, understanding the matrices of power within which you are working can help you identify research that is, at least directionally, working to dismantle configurations of unearned structural privilege and oppression. Power as related to agricultural research has

While the examples we provide are broadly specific to the US agricultural power context, the themes are applicable at any scale and location.

**Domains through which power is expressed and experienced**

|  |  |  |  |
| --- | --- | --- | --- |
| **Domains** | **Description** | **Agricultural themes** | **Challenge** |
| **Structural domain** | Organizes distribution of power through laws and policies | Land ownership restrictions, money lending | Listening to the margins |
| **Disciplinary domain** | Administers and manages distributions of power by implementing and enforcing (or not enforcing) laws and policies | USDA programs, DNR,  NASS data collection | Technical audits to understand |
| **Hegemonic domain** | Circulates ideas related to power | Land Grant Universities, extension systems | Teaching |
| **Interpersonal domain** | Individual experiences, expression, and awareness of power |  | Recruiting and supporting students who are underrepresented in agricultural studies. |
|  |  |  |  |

When thinking about a given system, one may ask ‘is someone being minoritized?’ Once that has been identified, research can be designed that amplifies, validates, XX their experiences. Angie’s work, Tom Kaspar, Matt Liebman.

Even seemingly technical research questions are embedded within a power matrix. If you are, for example, trying to understand

For researchers who are concerned with the power context of their work, examining how a research question fits into the domains of power (Table X) can be helpful. At a high level, agricultural researchers can think about how their research can help to address legacies of power imbalances, more evenly distribute power, expose problematic power imbalances, or simply challenge common thought patterns.

Who is your research serving?

Dismantling configurations of structural privilege.

Is your research working to address legacies of power imbalances, more evenly distribute power, or

* 1. **Power matrix, applied in agriculture**
     1. **Women**
     2. **Workable field days**
  2. **Listen to the margins, who is being minoritized in your system?**

1. **How you do it**
   1. **Reciproprocity in farmer relations**
      1. **Compensation- deserves its own section**
         1. **Perpetuates an extractive mentality. The ‘gift’ of ‘knowledge’ is XXXX.**
         2. **Grants should require any on-farm collaboration to be monetarily compensated**
   2. **Establish metrics for collaborative relationship**
      1. **On/farm collaboration**
      2. **Other organizations**
   3. **Contextualize (don’t be a big dick data ninja)**
      1. **Why is this helpful?**
         1. **Cropscape data article (double cropping)**
         2. **NASS data increase in women producers**
         3. **Andrea R’s work**
      2. **Fill out the ‘what is this data’ card**
      3. **Present your results to people connected with the data before publishing them**
2. **How you relay it**
   1. **Framing**
      1. **Wizard and the Prophet, they are both demographically very similar, but have very different values and histories that are expressed in their world framing**
         1. **No such thing as an objective scientist**
      2. **Embrace your framing, it is there whether you acknowledge it or not**
         1. **Example? Need to think of a good one.** 
            1. **Do cover crops reduce weeds?**
            2. **Are cover crops as effective at reducing weeds as herbicides?**
            3. **Different framing, could have same figure, your figure should say why you are including it, what your take-away is. Maybe use PFI?**
3. **Supplemental material with our ‘who I am’ statements**

**Agricultural research data, its interaction with power**

**Current efforts, why data feminism (big data mentions social issues but not in depth, the agroecology folks’ stuff which has a fair amount of overlap but is ‘clubby’ and ‘exclusive’, we don’t want to follow the environmentalists’ problem of insult you then ask you to join us)**