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
2. 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
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)