Methodological trends in the data over time

* Risk mapping shows up as early as 2000
* First example of ecological niche modeling arises in 2006, as does the first example of MDA progress mapping and the first example of spatial clustering
  + Note: first example of ecological niche modeling only shows the ecological niche of the vector. Doesn’t really show up again until 2012.
    - First example of this is using GARP, most if not all subsequent examples use MaxEnt.
  + First instance of MDA progress mapping would make sense at this point because it’s roughly five years after the start of MDA in Africa and Latin America?
* First example of uncertainty mapping arises in 2008
* Much of 2007-2011 is prevalence mapping and modeling
* Ecological niche modeling and kernel density mapping start really taking off in 2012
* Other mapping types like transmission status mapping, relative probability mapping, kriging geographic analysis, hotspot mapping, intensity mapping, probability of exposure mapping, space-time distribution start taking off around 2014
  + In general, mapping starts to get a lot more nuanced and weird after 2015
    - Showing/standardizing for really specific things
* ArcView is predominantly used for mapping from 1997-2004
  + Still used through 2014 but more or less drops off around 2011
    - People are using a mix of ArcView 3.2/3.3 and 8.0/9.0? Is there no in between here?
* ArcMap first shows up in 2005, ArcGIS first shows up in 2006
  + Both this and ArcMap don’t really start taking off until 2011
* MaxEnt first appears in 2011 to be used in ecological niche modeling and risk mapping and is still used today
* WinBUGS shows up in 2006 and is used somewhat consistently over time until recently (2016 and beyond?) where it appears to have dropped off a bit
  + What’s being used in its place?
* SaTScan first appears in 2004 but is not used again until 2010
  + In 2010, people start working with spatial scan statistics
  + In subsequent years, people appear to be using it for space-time modeling as well
  + Still used today
* QGIS used periodically from 2014 onward, with a slight uptick in use in 2018
* STATA used pretty consistently from 2002 onward, with tons of use in 2011, 2017, and 2018 for some reason?
  + Maybe there were just more studies in these years?

General trends: 2011 is when things start getting more advanced and ecological niche modeling of helminthiasis comes to the fore. MaxEnt, ArcMap, ArcGIS are being used more widely at this time. A lot of weird, highly specific mapping methodologies appear around 2014/2015 and are still in use today. Shift towards softwares that can be used in collaboration with people in developing countries because they’re more financially accessible.