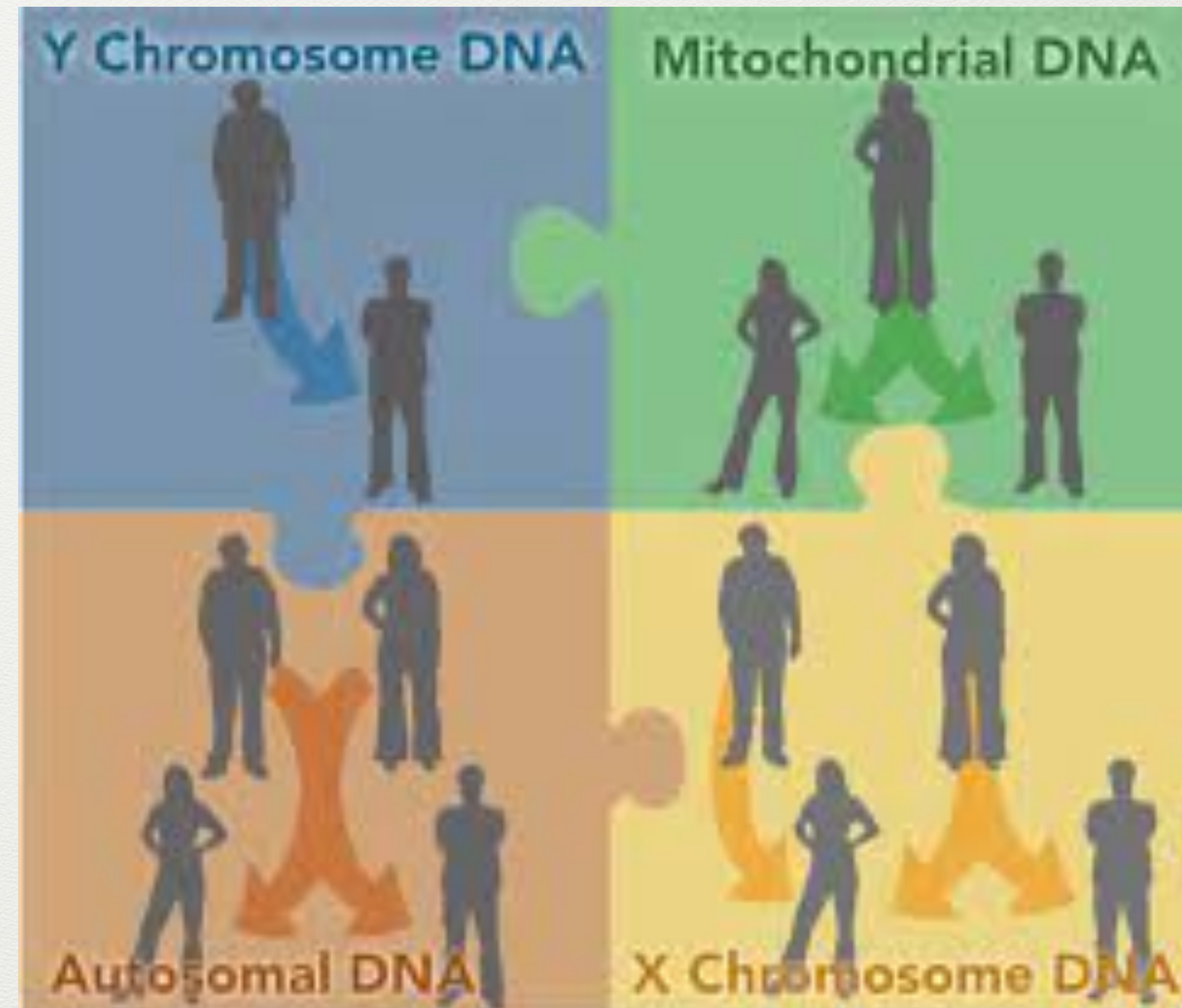


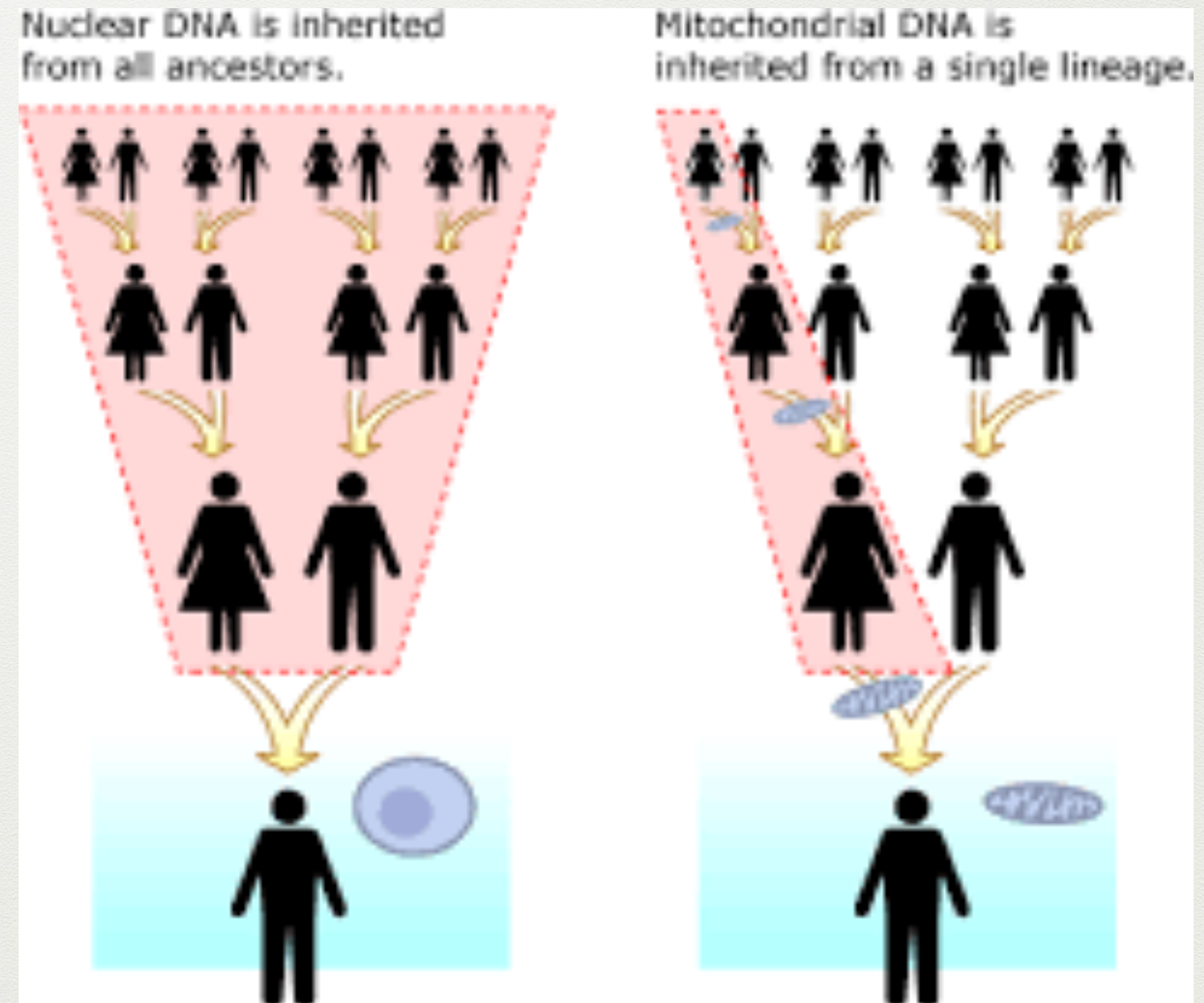
Types of DNA Testing for Genealogy

- Autosomal (both sides)
- Y DNA (direct male line) Same surname is the best one to test
- Mt Mitochondrial DNA (direct maternal line)



Which Company: Pros and Cons?

- Ancestry: Autosomal with tree
- My Heritage: Autosomal with tree
- FamilyTree DNA: Autosomal, YDNA (direct male line), Mitochondrial (direct female line).
- Living DNA: Autosomal
- 23 and Me: Autosomal



Considerations When Comparing Companies

1. **How do they collect DNA:** Ancestry and 23 and Me use a spit collection method. My Heritage, Family DNA and Living DNA use a cheek swab.
2. **Where do they doing their collection.** Ancestry does not ship world wide. The rest do.
3. **Ethnicity Estimates:** Dependent on reference populations. All companies do not have worldwide reference populations. Living DNA concentrated in UK. Not a lot of coverage in Asia.
4. **Data Base Size:** The number is important, but so is the composition of the base. Ancestry is the largest at 23 million; however is concentrated in the US. My Heritage at 7 million has the largest European database. 23 and Me has 13.8 million, Family Tree DNA 1.5 Million and Living DNA is unknown.
5. **Genealogy and Genetic Tools for Analysis:**

May 2023 Webinar - Test. Analyze. Repeat

Diahn Southard

ancestry.com

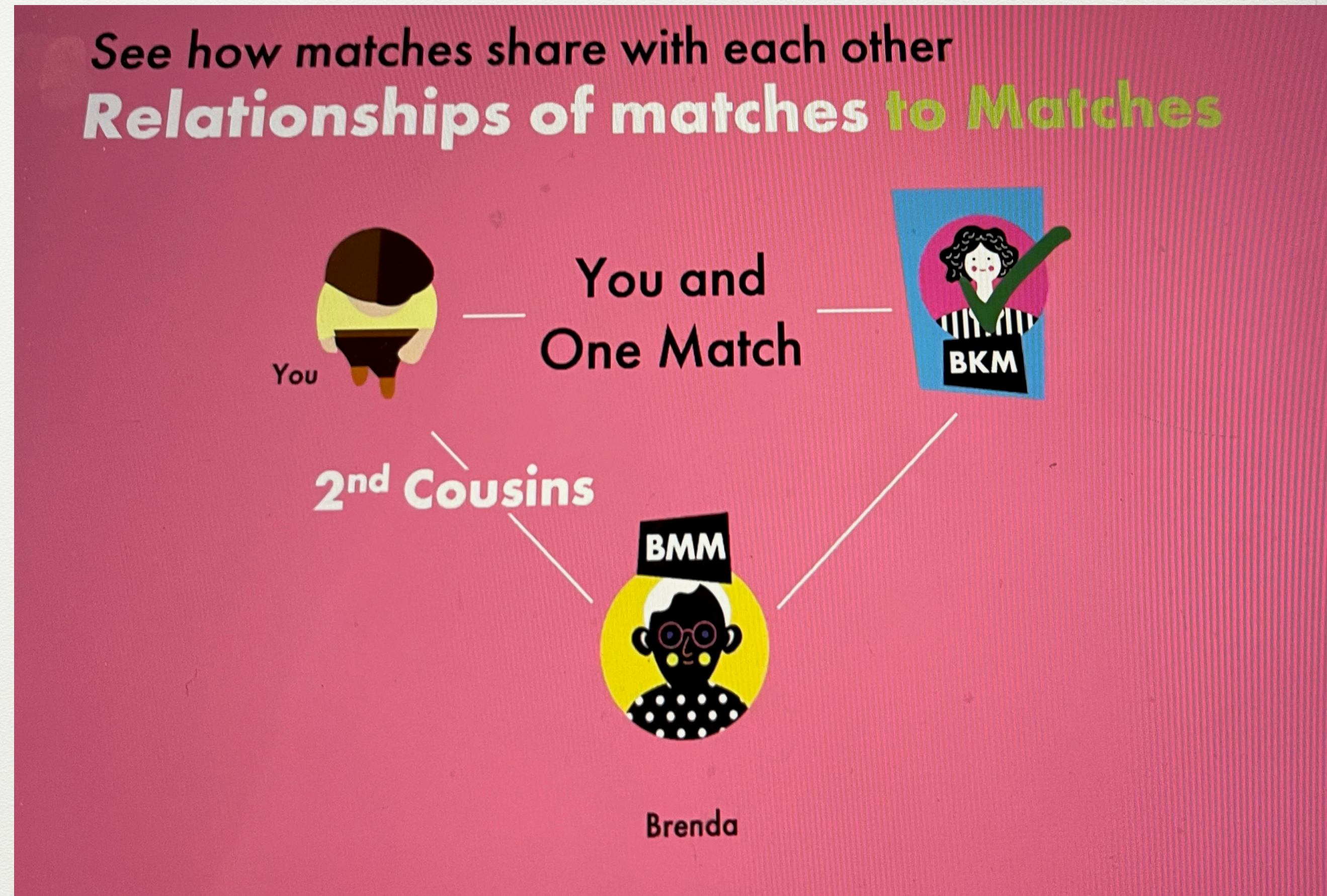
23andMe

MyHeritage DNA

A LOT MORE

How to Research

- Start with the best known match (someone you know) which will also give mystery matches. You need a family tree for this: Ancestry, My Heritage and Family Tree DNA. You can use the other services, but still need to look at your family tree.
- Ancestry has ThruLines
- My Heritage has Theory of Family Relativity.



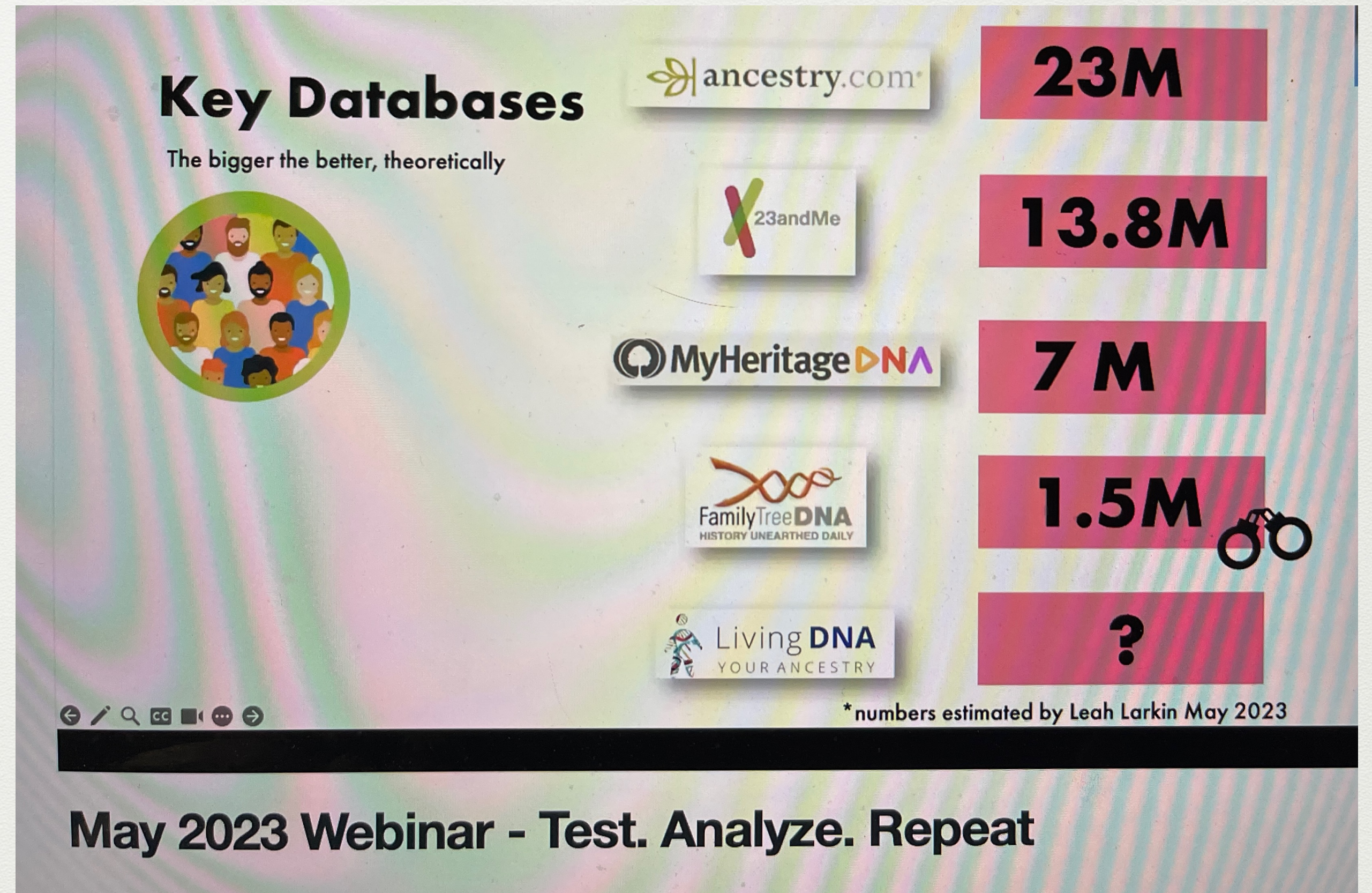
Genealogy Tools: Look at the Shared Matches Tool

- All companies have shared matches.
- Ancestry shows only 20 cM or more for both of you.
- Shared Matches is a filter on your matches. Find a group of people who may all share a recent common ancestor to find best mystery matches.
- A best mystery match is worth investigating. However, Ancestry, Family Tree DNA and Living DNA do not give you as much as 23 and Me and My Heritage DNA gives you.
- Do genealogy, look at your tree and their tree for the point of connection looking at everyone's relationship with each other. Triangulate and extrapolate.



Remember Constant Updating

- Information will change as more people are tested and tools are improved.
- Go back to the sites and look at what is new.



Sources for Free DNA Webinars

- **Your DNA Guide (Diahan Southard)**
Get on email list. <https://www.yourdnaguide.com/>
- **DNA Basics Webinar:** <https://www.youtube.com/watch?v=jUEq6GaodeY>
- **FamilyTree Webinars (Get on the email list)** **There are two DNA webinars this week alone:** <https://familytreewebinars.com/>
- **Look for Company DNA training on Ancestry, MyHeritage, etc.**



Don't Get Discouraged

- When you have a good lead...and find that the person who took the test didn't post their family tree, kept their family tree private, or doesn't respond to you attempt to contact them. They or one of their relatives, may change their mind.
- When you contact a stranger with shared DNA, be polite and offer something in return. Like a family photo or interesting information. Don't take it personally if you don't get a response. Try again after an interval like four weeks, but don't badger them.
- Check your junk mail as responses may get stuck there.
- Online data is growing exponentially and it is worth checking back.

