



Deep Dive into MyHeritage DNA

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Red Mountain Mesa Library





All slides and handouts can be found at: http://www.familytreeaz.com/Presentations/

Four Companies to choose from for DNA testing

- First step is to order a DNA test from one of the commercial vendors (23andMe, Ancestry, MyHeritage, and FamilyTreeDNA)
 - Note that there are other companies but these are the only ones recommended at this time



DNA Test Company Kits

• Comparison of DNA kits in the different databases in 2022



Ancestry has the most kits, about 22 million with 23andMe next at about 14 million. MyHeritage is 3rd largest at about 6 million.

Why MyHeritage?

- 1. It is one of the primary DNA kit databases that allows matching to find DNA cousins (there are matches that may have only tested with this one company)
- 2. Free to upload kits
- 3. The largest database that allows uploads from other companies
- 4. Shows how much DNA shared matches share with each other (more on this later)
- 5. AutoClustering tool (more on this later)



Two Options to Use MyHeritage DNA

- Buy a DNA kit from them (\$49 up to \$99)
- Upload a kit from one of the other testing companies (Ancestry, Family Tree DNA, 23andMe, or Living DNA) (\$0 cost on MyHeritage)



DNA Test vs. Subscription

- A subscription gives you access to doing research using My Heritage's databases
 - This can be pricey as it is \$299/yr once the discount has passed
- Buying (or uploading) a DNA kit does NOT require a subscription
 - You may already have an Ancestry subscription or possibly use free resources at your library or the research databases at familysearch.org (free account).

| njoy full access to all MyHeritage features | | | | | | | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-------------|---|--|--|--|--|--|--|
| Start your 14-Day Complete plan FREE Trial Pay \$0 today Unlimited family tree size Access to all 18.7 billion historical records Automatic matches to historical records and other family trees Unlimited use of all MyHeritage photo features Priority customer support After 14 days, you'll be charged \$24.92 \$12.46 per month (tax not included) and enjoy a 50% discount (billed annually). You can cancel at any time. | | | | | | | | | |
| | | | | | | | | | |
| ard holder's name | Ken Waters | | | | | | | | |
| puntry | USA | | v | | | | | | |
| ate | Arizona | | | | | | | | |
| | Price is before tax | | | | | | | | |
| o / Postal Code | | | | | | | | | |
| yment method | Credit Card | O PayPal | | | | | | | |
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| piration | MM/YY | | | | | | | | |
| N | | E () | | | | | | | |

Last Names

Start free trial

Search Historical Records

Records create a paper trail for your ancestors and can lead you to important details about their life. Enter a name, and we'll look for it in birth certificates, marriage registrations, census records, and other official documents.

City, County, State, Province, or Cour Birth or Death Year

First Names

OMyHeritage

TIPS FOR EFFECTIVE SEARCHES

First Steps

• Set up a free account at myheritage.com



First Steps

 Once registered you can set up your DNA kit (either buy or upload)

MyHeritage

Hi Ken,

Thanks for joining MyHeritage, one of the world's most popular family history platforms. MyHeritage specializes in tools to help you connect to your ancestors like never before.

We invite you to embark on a journey to discover your family history in a few simple steps:



Grow your family tree

Add a few names and our automatic matching technologies will help you grow your family tree. The more details you add, the more you'll discover.





Search historical records

Explore our global database of 18.7 billion records to find birth, marriage, death, and other records, and discover new details about the lives of your ancestors.





Take a DNA test Uncover your ethnic origins and find new relatives with the MyHeritage DNA test. All it takes is a simple cheek swab.



Wishing you a fascinating journey, The MyHeritage team

Option 1: Buy a kit from My Heritage

- Normal shipping arrives within 7 days
- You do have the option to try the full subscription for 30 days at no cost



| O MyHeritage | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|------------------------|
| ORDER INFORMATION | | | USD \$ 🗸 |
| - | MyHeritage DNA kit PRICE \$89 \$49 You save \$40 | QUANTITY | SUBTOTAL \$49 |
| ≟∏g Order 2 or more ki | its for FREE shipping | | |
| Add a MyHeritage Explore family trees Access all 18.7 billi After the first month, yo any time. | e Complete plan - first month F s of your DNA Matches ion historical records on MyHerit ou'll enjoy a 50% discount and be | REE lage e charged \$299 \$149 (tax not included). You | \$0 u can cancel at |
| Add a Gift Wrap - Each kit will be wrapped se | - \$3 per kit eparately | | \$3 |
| Shipping Standard (4-7 bus Expedited (2-3 bus | siness days): \$5 isiness days): \$19 | | \$5 |
| <u>Got a coupon code?</u> Total | | | \$54 |

Option 2: Upload a DNA kit from another testing company



Option 2: Upload a DNA kit from another testing company

- For kits from:
 - Ancestry
 - Family Tree DNA
 - 23andMe
 - Living DNA



Option 2: Upload a DNA kit from another testing company

- Follow the instructions to upload a kit
- If you don't already have a kit downloaded then go to the testing company's website to download

| MyHeritage | Home | Family tree | Discoveries | Photos | DNA | Research |
|--------------------------------------------|----------------------|-------------|-----------------|-------------------|---------------------------------------------------------------------------------------------|----------------------------------------|
| Upload DNA da | ata | | | | | |
| Whose DNA data are yo Mine O Someone El | u uploading? se's | | Discoveri 1 | es are a few s | imple steps away vnload your raw DNA data cestry, FamilyTreeDNA, 23 v to download? | from your provider andMe)*. Help |
| • • • • • • • • • • | | Continue > | 2 | | oad the raw DNA file to My | Heritage. |
| | | | 3 *MyHeritag | e is not endorsed | eive your DNA Matches. I by or affiliated with these | companies. |

Option 2: Upload a DNA kit from another testing company Upload DNA data

- You will have to answer a series of questions regarding sharing details and terms of agreement
- I recommend full opting in to the sharing questions in order to maximize the benefit of matching to others.

Review and Upload

Please review all the information you have provided and then click the "Upload" button to select the DNA data file you want to upload.

| Terms and Conditions and Privacy Policy | Accepted |
|-----------------------------------------------|------------|
| Processing of genetic data | Accepted |
| Upload for personal use | Accepted |
| Enabling DNA Matches | ✓ Accepted |
| Sharing Ethnicity Estimate and Genetic Groups | Accepted |
| Sharing DNA segment data | ✓ Accepted |
| Participation in research | ✓ Accepted |
| 0 0 0 0 0 0 • | Upload |

DNA Test Main Page

DNA

- Four main components here
- We will mostly focus on DNA Matches in this presentation



DNA Test Main Page

- Scrolling down...
- Locations indicate where your matches may live now
- Ethnicities shows how many of you matches also share your main ethnicities

| Locations | See where your DNA Matches live. Select a | any country | to see the matches. | | | | |
|-------------|-------------------------------------------------------------|--------------------------|----------------------------------------------------------|---------------|----------------|-------------------|---|
| Locations | | | | Сон | intry | Number of matches | |
| | A DEC | | 4 | • | USA | 6,886 | |
| | | .ett. | Continue | \$ | United Kingdom | 1,468 | ļ |
| | | 10 | and the second second | 4 | Australia | 426 | |
| | | | | 0 | Ireland | 343 | |
| | | | SES AN OF | ٠ | Canada | 284 | |
| | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | arena in | 4 | New Zealand | 190 | |
| | | | | ۲ | Brazil | 121 | |
| | | | - 1 | 0 | France | 96 | |
| | | | | • | ^ | * | - |
| Ethnicities | Ethnicities See the ethnicity distribution of your DNA M | latches. Se Your ethr | lect any ethnicity to see the matches. nicity results | | | Number of matche: | S |
| | Ethnicity | Your ethr | nicity results | | | Number of matches | S |
| | Irish, Scottish, and Welsh | 55.6% | | | | 8,858 | |
| | Iberian | 25.9% | | | | 2,024 | |
| | Scandinavian | 18.5% | | | | 4,748 | |
| | English | 0% | | | | 6,856 | |
| | North and West European | 0% | | | | 3,911 | |
| | | 0% | | | | 1,202 | |
| | Relian | 0% | | | | 861 | |
| | baikan | 0% | | | | 816 | |
| | Andean | 0% | | | | 478 | |
| | Greek and South Italian | 0% | | | | 407 | |
| | Nigerian | 0% | | | | 299 | |
| | | | | | | | |

Ethnicities

- These are *estimates*
- It's important to keep that in mind
- These will vary with what other companies may estimate
- REMEMBER: these are only estimates (guesstimates)



DNA Matches Main Page

- Your DNA matches sorted with the strongest (closest) at the top
- Includes sex, age range, estimated relationship, amount of shared DNA (cMs)

| Ken Water Overview E | s, this is you - thnicity Estimate DNA Ma | tches DNA Tools | | Test additional family members Get suggestions |
|-------------------------|-----------------------------------------------------------------------------|--------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| Showing 1–10 of 13 | ,509 DNA Matches | | У | Filters = Sort by Q : |
| | DNA managed by you | Estimated relationship | DNA Match quality Shared DNA: 50.0% (3,541.1 cM) Shared segments: 22 Largest segment: 284.3 cM | Review DNA Match View tree |
| | Open Waters appears in your far | nily tree. | | |
| | DNA managed by you | Estimated relationship Daughter @ | DNA Match quality Shared DNA: 49,9% (3,540.7 cM) Shared segments: 22 Largest segment: 284.3 cM | Review DNA Match View tree |
| | 아이 Waters appears in your fami | ly tree. | | |
| | Joan Waters (born Craddock) Mother Age: 80's DNA managed by you | Estimated relationship Mother @ | DNA Match quality Shared DNA: 49.8% (3.533.9 cM) Shared segments: 22 Largest segment: 284.3 cM | Review DNA Match View tree |
| | 양편 Joan Waters (born Craddock) appe | ears in your family tree. She is your mother. | | |
| | Waters Age: 80's DNA managed by you | Estimated relationship Brother @ | DNA Match quality Shared DNA: 38.4% (2,581.4 cM) Shared segments: 56 Largest segment: 188.9 cM | Review DNA Match View tree |
| | ୍ରର ଅଧିକ Waters appears in your fami | ly tree. | | |
| | Waters Age: 90 or above DNA managed by you | Estimated relationships Uncle, half brother, grandfather @ | DNA Match quality Shared DNA: 22.8% (1,812.7 eM) Shared segments: 35 Largest segment: 133.4 eM | Review DNA Match View tree |
| | ංං රී Waters appears in | your family tree. | | |
| | Waters Age: 60's DNA managed by you | Estimated relationships 1st cousin - 1st cousin once removed | DNA Match quality Shared DNA: 10.2% (725.1 cM) Shared segments: 20 Largest segment: 123.8 cM | Review DNA Match View tree |

DNA Match

• Each match includes sex, age range, estimated relationship, amount of shared DNA (cMs)



DNA Match – icons on the left



More on these coming up

Review DNA Match



Review DNA Match

 Besides showing details on the strength of the match, this page yields valuable information on shared matches



Review DNA Match

- You can often discern how your shared matches are related to each other
- This can be very useful as it indicates parent-child pairs that may have tested and also can sometimes yield very valuable extra surnames and help construct a family tree for that match

Estimated relationship to you Shared match Estimated relationship to Joan \ 36.4% (2,581.4 cM) 49.8% (3,527.8 cM) Brother Son 49.9% (3,540.7 cM .4% (2.011.5 cM Daughter Granddaughter 50.0% (3,541.1 cM) .6% (1.955.5 cM) Son Grandson

This example is for my kit and

my match to my mother.

Amount shown shared between shared matches--example

These are shared matches from my kit to a known 2nd cousin, Mike. My mother is a shared match so that confirms the match is on her side. The match below my mother matches me at 139 cMs but matches the target match at 3530 cMs thus providing proof of a parentchild relationship. In reality she is my 2nd cousin once removed, daughter to Mike.



Chromosome Mapping

• Click on the little icon on the right of a shared match to get the chromosome map showing the segments of the match

| Shared DNA Matches @ Mike and you share the following 5 | 54 DNA Matches | Sort by NEW |
|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| Estimated relationship to you | Shared match | Estimated relationship to Mike |
| Mother | 49.8% (3,533.9 cM) 6.8% (484.8 cM) □ Joan Waters (born Craddock) ☆ • જ• | Great-aunt, 1st cousin once removed - 2nd cousin |

Chromosome Mapping

 This shows segments shared between "Mike", my mother, and me. Mike shares 178.8 cMs with me which is in the range for a 2nd cousin.



Chromosome Browser — One-to-many (

Add or remove DNA Matches

You and all of the selected DNA Matches share 10 triangulated segments

Joan Waters (born

Shared DNA 49.8% (3,533.9 cM)

Shared segments 22

Largest segment 284.3 cM

2 cMs 👻

20

You + Mike

Shared DNA

2.5% (178.8 cM) Shared segment

10 Largest segment 45.7 cM

Show triangulated segments that are at least:

Sorting Matches

- Match order list does not have to be based on total shared DNA amounts
- There are other options, with probably the most useful being "Most recent" which allows you to view the newest matches, that you might not have seen yet



Export your matches list

- You may be interested in exporting a list of all your matches for this kit to a spreadsheet
- That's easily done by clicking on the "3 dots" and selecting export
- After a few minutes the list (CSV, or "comma-separated variables") will be sent to your email address on record
- You also have an option to export the shared segment data



Export Examples

Match List

| | | | | | | | | | | Extract | То | | | | | | | | | | |
|----|----------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------|-------|----------|-----------------|-----------|---------|-----------------|-------------|----------------|---------------|------------|----------|---------------------|-------------|--------------|---------------|-----------|
| E | ე წ ∗ ი | | | | | | | | | | Ken Waters | DNA Matche | es list Octobe | er 28 2022-Al | N-F9C53C.c | sv [Read | -Only] - E | ixcel | | | |
| F | la Horr | na Ir | vort [| Dane Lavour | E Formi | ilac | Data | Review | View | Halr | 0 1 | ell me what | vou want to | do | | | | | | | |
| | | nc 11 | | age cayou | | 1103 | Data | INCUICIN | VICW | T ICI | , Â , | | you want to | 40 | | | | | | | |
| B1 | | • | X | f _x | Name | | | | | | | | | | | | | | | | |
| | Δ | | B | | C | D | F | F | G | н | 1 | 1 | ĸ | 1 | м | N | 0 | p | 0 | R | s |
| 1 | DNA Match | Name | | | Δσe | Coun | Contact | DNA man | Contas | Status | Estimated | Total cM s | Percent D | Number o | largest se | Review | DI Has fa | mil\ Number | o Tree mai | view tre | e Conta |
| 2 | D-F9C53CA | I | No. | | 20's | coun | contact | You | Contac | lucus | son | 3.541.10 | 50 | 22 | 284.3 | https:/ | /wiYes | 26 | 54 You | https://v | vww.mv |
| 3 | D-F9C53CA | (in the second | VALUE OF | | 30's | | | You | | | daughter | 3.540.70 | 49.9 | 22 | 284.3 | https:/ | /w Yes | 20 | 54 You | https://v | vww.mv |
| 4 | D-F9C53CA | Jan 14 | anter i la | orn Crado | 80's | | | You | | | mother | 3,533,90 | 49.8 | 22 | 284.3 | https:/ | /w Yes | 20 | 4 You | https://v | vww.mv |
| 5 | D-F9C53CA | Finite | Vielen | | - 60's | | | You | | | brother | 2,581.40 | 36.4 | 56 | 186.9 | https:// | /w Yes | 20 | 4 You | https://v | vww.mv |
| 6 | D-F9C53CA | E | - | Waters | 90 or abov | e | | You | | | uncle, hal | 1,612.70 | 22.8 | 35 | 133.4 | https:/ | /w Yes | - | 71 You | https | |
| 7 | D-F9C53CA | Pilling 4 | ALC: NO. | | 60's | | | You | | | 1st cousin | 725.1 | 10.2 | 20 | 123.8 | https:/ | /w Yes | 20 | av | | and y |
| 8 | D-F9C53CA | | 60 | | 50's | | | You | | | great-nied | 595.5 | 8.4 | 17 | 81.2 | https:/ | /w Yes | | | mups://v | vww.my |
| 9 | D-F9C53CA | himit | 1111 | | 90 or abov | e | | Martin | | | e great-aun | 476.3 | 6.7 | 19 | 65.5 | htt | | | 14 | https://v | vww.my |
| 10 | D-F9C53CA | (Annual | artisti. | | 40's | USA | https:// | Additor | I https:/ | /wwv | - 1st cousin | 387.5 | 5.5 | 15 | | | - | | 58 | I https://v | v https: |
| 11 | D-F9C53CA | | | ops) | 70's | USA | https:// | ilitari im | https:/ | /////// | 1st cousin | 227.3 | | | | mttps:// | w Yes | 54 | 7 | https://v | v https:, |
| 12 | D-F9C53CA | 1 | anailte. | | 60's | | | Tallana H | Ehttps:/ | /wwv | 2nd cousir | 178.8 | | 10 | 45.7 | https:// | w Yes | 1 | 3 | Ehttps://v | v https:, |
| 13 | D-F9C53CA | letter to | | | 30's | USA | https:// | (TABLE) | https:/ | /wwv | 1st cousin | 139.3 | 2 | 7 | 46.2 | https:// | w Yes | | 5 | https://v | v https:, |
| 14 | D-F9C53CA | (| er iheni | ler | 50's | | | - shines | https:/ | /wwv | 2nd cousir | 113.3 | 1.6 | 7 | 24.8 | https:// | w Yes | 88 | 33 | Ihttps://v | v https:, |
| 15 | D-F9C53CA | (| a ibea | filer (| 50's | USA | https:// | - selden | https:/ | /wwv | 2nd cousir | 113.3 | 1.6 | 7 | 24.8 | https:// | /w No | | | | |
| 16 | D-F9C53CA | | 6 | | | USA | https:// | Haritak. | https:/ | /wwv | 3rd - 4th c | 68.7 | 1 | 2 | 59.3 | https:// | /w [·] Yes | | 4 | https://v | v https:, |
| 17 | D-F9C53CA | heneit | HHH | | 70's | USA | https:// | 1004191 | https:/ | /wwv | 3rd - 4th c | 67.6 | 1 | 3 | 48.5 | https:// | w Yes | | 1 101051910 | e https://v | v https:, |
| 18 | D-F9C53CA | 5 | ite and | s | 20 or belo | w | | Net The | https:/ | /wwv | 3rd - 4th c | 63 | 0.9 | 3 | 37 | https:// | w Yes | | 77 | r https://v | v https:, |
| 19 | D-F9C53CA | - | in the second second | | 60's | USA | https:// | the inte | phttps:/ | /wwv | 3rd - 5th c | 53.4 | 0.8 | 3 | 27.4 | https:// | /w No | | | | |
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| 21 | D-F9C53CA | Family | a name | g | 50's | USA | https:// | induces i | rhttps:/ | /wwv | 3rd - 5th c | 50 | 0.7 | 4 | 18.2 | https:// | w Yes | | 9 | Ir https://v | v https:, |
| 22 | D-F9C53CA | Here !! | setter . | | 50's | USA | https:// | iten/ite | https:/ | /wwv | 3rd - 5th c | 49.3 | 0.7 | 5 | 12.1 | https:// | w Yes | | 1 1997 198 | https://v | v https:, |
| 23 | D-F9C53CA | E | (MAN) | | 80's | | | HARD MAD | t https:/ | /wwv | 3rd - 5th c | 49.1 | 0.7 | 2 | 36.3 | https:// | /w Yes | | 2 ++++ | t https://v | v https:, |
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Shared Matching Segments

| 1.1 | | | | | | | | | | | | | | | |
|-----|----|-------|---------|-----|------|------|-----|----|-----------|-----------|-----------|-----------|------|-------|--|
| | 10 | 251 | | | | | | | | | | | | | |
| | 11 | 252 D | -F9C53C | Ken | Wate | Mike | 100 | 1 | 2019070 | 4437518 | rs1330313 | rs1180515 | 6.2 | 1664 | |
| | 12 | 253 D | -F9C53C | Ken | Wate | Mike | 100 | 5 | 165705205 | 180715140 | rs1005175 | rs1456798 | 32.2 | 9727 | |
| | 13 | 254 D | -F9C53C | Ken | Wate | Mike | 100 | 7 | 106444790 | 151275806 | rs1211305 | rs1029946 | 45.7 | 21248 | |
| | 14 | 255 D | -F9C53C | Ken | Wate | Mike | 100 | 8 | 81005170 | 102251381 | rs2217063 | rs1010977 | 17.2 | 8832 | |
| , | 15 | 256 D | -F9C53C | Ken | Wate | Mike | 100 | 10 | 13843991 | 16981015 | rs7082464 | rs7678939 | 6.5 | 2432 | |
| | 16 | 257 D | -F9C53C | Ken | Wate | Mike | 100 | 10 | 45988068 | 62571228 | rs8016791 | rs7752457 | 20.9 | 7680 | |
| | 17 | 258 D | -F9C53C | Ken | Wate | Mike | 100 | 16 | 57850605 | 75886527 | rs7200390 | rs1828896 | 17.2 | 8576 | |
| | 18 | 259 D | -F9C53C | Ken | Wate | Mike | 100 | 17 | 14365048 | 25935508 | rs1180319 | rs8070878 | 8.9 | 3456 | |
| | 19 | 260 D | -F9C53C | Ken | Wate | Mike | 100 | 17 | 76571560 | 81151539 | rs1562102 | rs3528414 | 12 | 3071 | |
| | 20 | 261 D | -F9C53C | Ken | Wate | Mike | 100 | 21 | 42524870 | 48100155 | rs1170260 | rs1048308 | 12 | 4607 | |
| | 21 | 262 | | | | | | | | | | | | | |

Filters

- There are a variety of filters that can be found by clicking on the Filters icon
- These allow you to limit your match list to a variety of parameters
- One of these is Labels
 - This is similar to Ancestry's Tag Groups
 - You can set up to 32 groups that can be used to identify matches



Filters - Labels

- You can select the color for each group
- As an example I have set up 3 labels and then can assign each match to one of these
- Then, the labels can be selected as a filter so you only see matches that are in that group





Advanced Topics – Theory of Family Relativity

- Some matches may trigger hints, known as a Theory of Family Relativity in MyHeritage
- This is somewhat similar to Ancestry's ThruLines
- This one is a known 2nd cousin once removed
- Not all matches will have these—only ones that connect their tree to yours

| 0 | EdnaEstimated relationshipsDNA Match quality ?Age: 70's1st cousin twice removed - 2nd cousin once removed ?Shared DNA: 3.2% (227.3 cM)From: USA 2nd cousin once removed ?Shared segments: 12 Largest segment: 43.1 cM | Review DNA Match |
|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| | Pression a family tree with 547 people, managed by B: from USA Image: Second state in the second state is your 2nd cousin once removed according to the Theory of Family Relativity™. View theory | View tree |
| | Image: Sector of the secto | |

Theory of Family Relativity



Advanced Topics – AutoClusters

- More Tools can be found under DNA Tools
- The chromosome browser that we saw before when comparing shared matches can also be found here
- One in particular is AutoClusters



AutoClusters

 Simply click on 'Generate' and a AutoCluster matrix will be sent to your email (this could take several minutes)

AutoClusters

An automatic tool that organizes your DNA Matches into clusters that likely descended from common ancestors

AutoClustering organizes your MyHeritage DNA Matches into shared match clusters that likely descended from common ancestors. Each of the colored cells represents an intersection between two of your matches, meaning that both individuals match you and each other. These cells are grouped together physically and by color to create a powerful visual chart of your shared match clusters. Each color represents one shared match cluster. Members of a cluster match you and most or all of the other cluster members.

Generate clusters for: Ken Waters -

Generate

The AutoClustering feature on MyHeritage was developed in collaboration with Evert-Jan Blom.

Example of AutoClusters



AutoClusters Example

- This is from my kit
- Note: parameters can not be adjusted such as lowest and highest cMs range
- In this case it auto-generated 16 clusters



Special Note – Upgrade Fee for advanced tools

 Note that to access some of the more advanced features such as AutoClusters it may be necessary to pay an upgrade fee (currently \$29)

What are the Advanced MyHeritage DNA Features?

DNA Matches offer a variety of features that help you understand the matches and find out more about your relationship with the individuals you are matched with.

However, some of these features, known as **Advanced MyHeritage DNA Features**, are only available to users who have a site subscription (Premium o <u>PremiumPlus</u> or <u>Complete</u>), or users that uploaded their raw DNA data file to MyHeritage and paid for an **on-time only Unlock fee** of US\$29.00 (or equivalent in different currencies). These features are:

- Review the tree of a DNA Match
- Shared DNA Matches
- Shared ethnicities
- Pedigree Chart
- Shared ancestral places
- <u>Theory of Family Relativity</u>[™]
- <u>AutoClusters</u>

Note:

The Unlock fee is per kit. If you have uploaded more than one kit, you will need to pay the fee for each kit, even if you delete and upload the same kit again. For users that have a subscription (PremiumPlus or Complete), the Advanced MyHeritage DNA Features are available to every kit they manage.

Wrap-Up

- Everybody who has tested should try MyHeritage DNA!
- It's free for matching
- See how shared matches are related to each other
- Great advanced tools not available in Ancestry
- More than 5 million tests in their database
- QUESTIONS?



Upcoming Classes/Presentations

Thu, Nov 3, 6:30 pm (Mesa Arizona Temple Visitor Center) Title: Ancestry's New SideView Match Sorting Description: What is this new feature and how can it be useful? I'll look at some interesting aspects of it from different DNA kits.

Sat, Nov 12, 1 pm – 2 pm

Title: Make Your Own DNA Family Tree Charts Description: In this class we will cover making your own charts of DNA matches. How to do it and why it can be very powerful to organize your DNA matches. We will discuss how to integrate your DNA match data from different companies in order to validate and extend your family tree.

Wed, Nov 17, 9 am (Trilogy Genealogy Club) Topic: Intro to DNA plus look at Ancestry's new SideView feature.

Sat, Dec 10, 1 pm – 2 pm

Title: A Unified Process for Working with Ancestry DNA Matches Description: We will discuss a useful methodology for working your DNA matches starting with the basics and then digging deeper into ways to improve your Ancestry DNA efforts. This will include using Tag Groups, shared matches, and identifying those matches in order to add to your family tree.

All classes are free to attend and require no registration. Classes are held at the Red Mountain Mesa Public Library at 635 N Power Rd in Mesa (unless otherwise noted above).







Presentations: http://familytreeaz.com/Presentations



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Me with my paternal uncle, Kenny Waters, 1929-2022