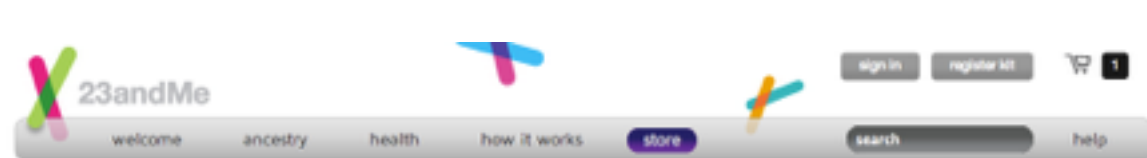
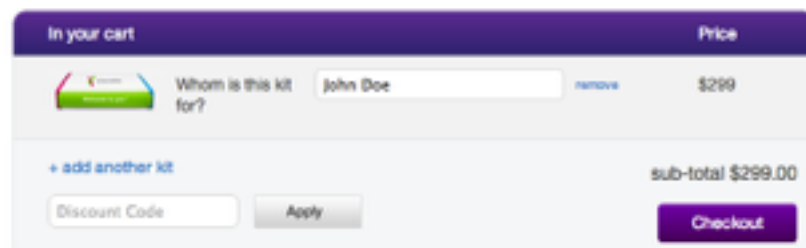




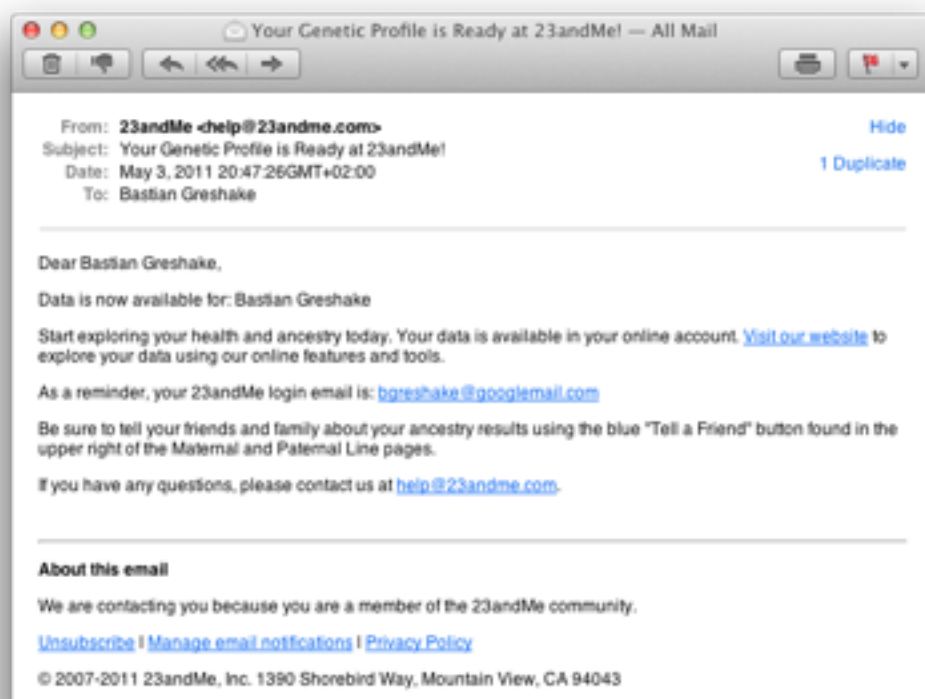
personalized genotype & phenotype data in the public
domain



23andMe store



DTC Genetic Testing



Potential

- 23andMe already close to 1 mio customers
- AncestryDNA projected to reach 1.3 mio customers at the end of 2015
- What if (at least some) people share their data?

PUBLIC



gedankenstuecke / genotyping_23andme

Pull Request

Unwatch

Unstar

8

Fork

3

Code

Network

Pull Requests 0

Issues 0

Wiki

Graphs

Admin

My raw genotyping data from 23andme — [Read more](#)

Clone in Mac

ZIP

HTTP

SSH

Git Read-Only

git@github.com:gedankenstuecke/genotyping_23and

Read+Write access

branch: master

Files

Commits

Branches 1

Tags

Downloads

genotyping_23andme /

16 commits

Merge pull request #1 from sauloal/master ...

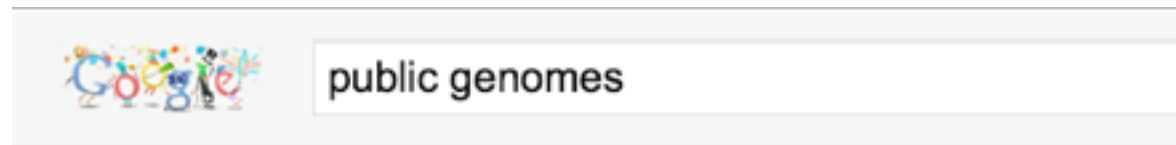


gedankenstuecke authored 7 months ago

latest commit e3489a0c5f

.gitignore	2 years ago	last change to readme [gedankenstuecke]
23andme_feed.xml	2 years ago	added example-RSS [gedankenstuecke]
README.mediawiki	a year ago	edit on readme [gedankenstuecke]
description.data	2 years ago	added pubmed-crawler [gedankenstuecke]
genome_Bastian_Greshake_Full_2011050...	2 years ago	added Promethease-report [gedankenstuecke]
genome_Bastian_Greshake_Full_2011050...	2 years ago	added first data [gedankenstuecke]
genotypes.data	2 years ago	added pubmed-crawler [gedankenstuecke]
homozygot_dominants.txt	2 years ago	added pubmed-crawler [gedankenstuecke]
homozygots.txt	2 years ago	added data about homozygots & homozygot-dominants [gedankenstuecke]
pubmed_crawler.py	7 months ago	adding pickle to paper_getter to allow continuation in case of accide... [sauloal]
snp.py	a year ago	added other genotypes to snp-class [gedankenstuecke]
snpedia.data	2 years ago	added pubmed-crawler [gedankenstuecke]
snpedia.py	a year ago	added allele-frequencies [gedankenstuecke]

More Data?



NOVA | Public Genomes - [Diese Seite übersetzen]

www.pbs.org/wgbh/nova/body/public-genomes.html

18 Aug 2009 – Many people are paying to have their DNA tested. Others are sharing their genomes on the Internet. Are they crazy?

Person:
www.per
We belie
genome

SNPedia

Navigation

SNPedia
Promethease
FAQ
Blog
Current events
Recent changes
Random page

Toolbox

What links here
Related changes
Special pages
Printable version
Permanent link
Browse properties

Page Discussion

Read Edit View history

Genomes

This spreadsheet of genomes with raw data available.

These are the 104 public genomes. They are from real people who've chosen to share their data to help all of us learn more about our genomes. Nearly all of them have regularly updated Promethease reports, but be sure to check the report header to understand how up to date each is.

	Platform	Raw data available	Summary
Aaron Vollrath	23andMe v2		Male on 23andMe
Almelina	23andMe v2	1true	Female with cancer 2x
Bgreshake	23andMe v3		German Male 23andMe v3
	23andMe v2		
Blaineбетtinger	FTDNA Family Finder		23andMe v. FTDNA Family Finder data
Corpas aunt	23andMe v3		Visualized family snps; whole family 23andMe genotypes
Corpas dad	23andMe v3		Visualized family snps; whole family 23andMe genotypes
Corpas mom	23andMe v3		Visualized family snps; whole family 23andMe genotypes
Corpas sister	23andMe v3		Visualized family snps; whole family 23andMe genotypes
Daniel MacArthur	23andMe v2		1st Lumigenix, GNZ, 23andMe v2+3, blogger

sRedHair
row
<http://vab.mit.edu/>
<http://www.snpedia.com/index.php/User:Hongiv>
<http://www.markcoenterprises.net/files/23andMe>
http://www.snpedia.com/index.php/User:Gene_Girard
<https://sites.google.com/a/rcpt.to/dichro/Home/genotyping>
<http://jardenberg.se/b/min-dna-profil-projekt-transparens/>
<https://www.23andme.com/you/community/thread/4861/>
<http://biohackers.net/wiki/yong27/Genome>
<http://www.box.net/shared/ed33z0rz>
<http://amorrow2.pbworks.com/>
https://www.23andme.com/user?community_profile=b62913e07f500
<http://www.snpedia.com/index.php/User:Samsnyder>
<http://www.genomealberta.ca/personalgenotyping/default.aspx>
http://glytch.org/blog/posts/2009_03_18_my_genome_from_23andme
http://www.familypast.com/genome_familypast_Full_2011030108330
<http://www.box.net/shared/tzym2sik6>
<http://www.archive.org/details/GrantBrunners23andmeResults012511>
<http://manu.sporny.org/2011/public-domain-genome/>
<http://github.com/orta/dna>
<http://manuelcorpas.com/five-family-relatives-genome-download/>
<https://github.com/kennethreitz/genome>
<http://razib.com/razib.zip>
<http://cancergenetics.wordpress.com/2011/04/13/my-genome-scan-r>
<https://github.com/beaugunderson/genome>
https://github.com/gedankenstuecke/genotyping_23andme
<http://www.genomesundipped.org/data>
http://nilshomer.com/index.php?title=My_Genetic_Data
<https://rapidshare.com/files/961006780/ASHK.tar.gz>
<https://github.com/sbassi/MiGenomaSbassi>

It's a mess!

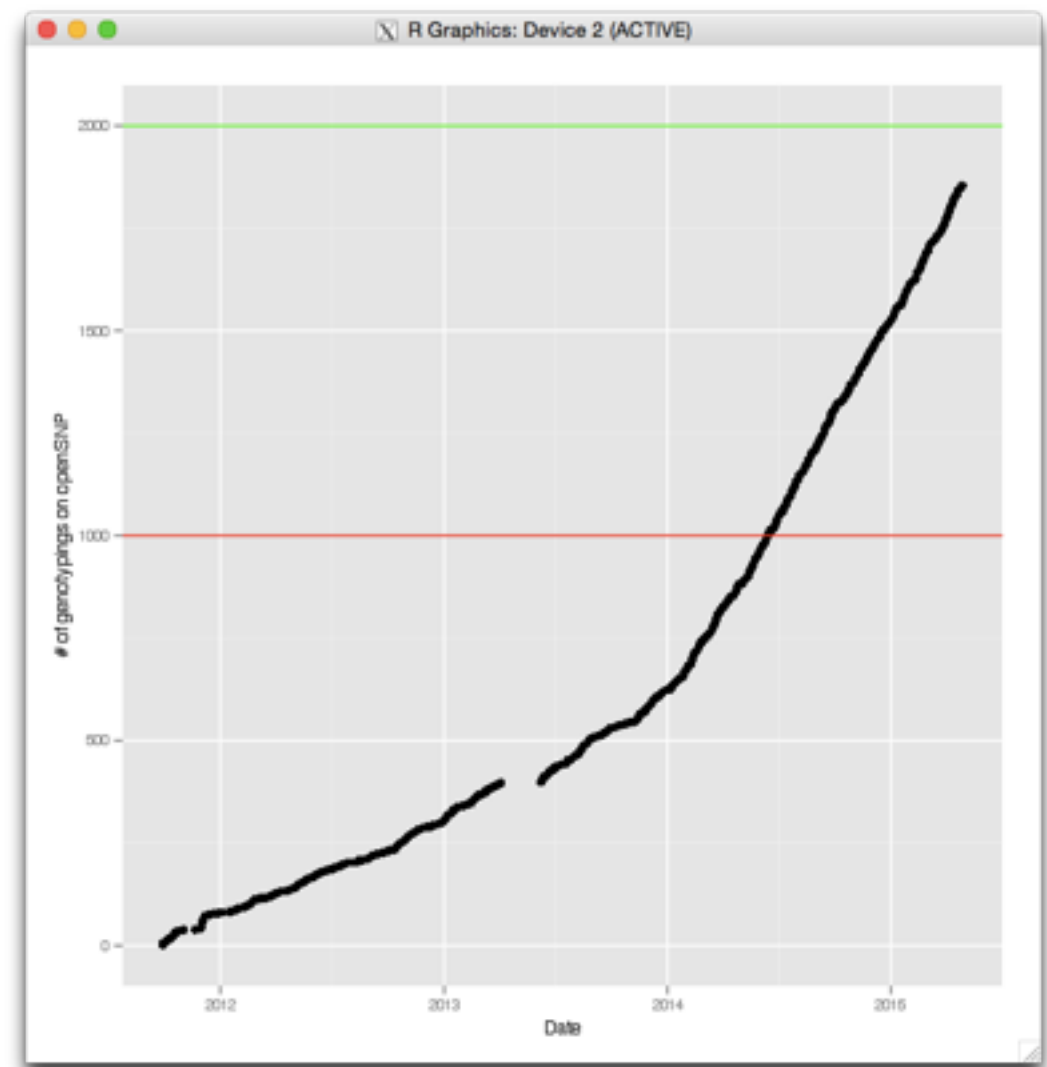




- Genotypes
- Phenotypes
- Metadata about SNPs

Genotypes

- close to 2000 data sets
- formats:
 - 23andMe
 - AncestryDNA,
 - FamilyTreeDNA
 - (deCODEme)


















Phenotypes

Phenotype: Eye color



Known Phenotypes:

- Brown [Download genotyping-files of all corresponding users](#) 
- Brown-green [Download genotyping-files of all corresponding users](#) 
- Blue-green [Download genotyping-files of all corresponding users](#) 
- Blue-grey [Download genotyping-files of all corresponding users](#) 
- Green [Download genotyping-files of all corresponding users](#) 
- Blue [Download genotyping-files of all corresponding users](#) 
- Hazel [Download genotyping-files of all corresponding users](#) 
- Mixed [Download genotyping-files of all corresponding users](#) 
- Gray-blue [Download genotyping-files of all corresponding users](#) 
- Blue-grey; broken amber collarette [Download genotyping-files of all corresponding users](#) 
- Dark blue [Download genotyping-files of all corresponding users](#) 
- Dark brown [Download genotyping-files of all corresponding users](#) 
- Blue-green [Download genotyping-files of all corresponding users](#) 
- Light-mixed green [Download genotyping-files of all corresponding users](#) 
- Hazel/light brown [Download genotyping-files of all corresponding users](#) 

- completely crowdsourced
- so far: free text entries (messy) + picture uploads
- ~350 different categories
- additionally: Fitbit data (weight, sleep, steps) + pictures

Metadata for SNPs

- Effect of a given SNP according to SNPPedia
- Effect of a SNP according to NHGRI-EBI GWAS catalog
- Effect according to GET Evidence of Personal Genome Project Harvard
- Papers that mention a given Rs-ID

SNPPedia



Access: Genotypes/SNPs

- Distributed Annotation System
- Ugly JSON-“API”:
 - downloadlinks for complete files per user
 - genotypes at a SNP for a given user/all users

Data Points:

- Rs-ID
- Chromosome & Location
- Allele & Genotype-Frequency in our DB
- Individual Genotypes

Access: Phenotypes

- JSON-API:
 - By Phenotype
 - All phenotypes for a given user

Data Points:

- Phenotype Name
- Phenotype Description
- Known Variations
- Users & their variations

Access: Metadata

Papers:

- Title
- First Author
- Publication Date
- DOI / URL
- Open Access?
- # of Readers

Others:

- Gene
- Trait
- Impact
- Summary
- Inheritance
- p-value
- CI

missing so far

- API access to Images & Fitbit data
- curated phenotypes as additional level to crowdsourced phenotypes

Thx!



WE CAN'T BE SURE ABOUT THIS, BUT WE'VE ANALYZED GENES ON SEVERAL OF YOUR CHROMOSOMES, AND IT'S HARD TO AVOID THE CONCLUSION:

