Wearables in help of genome analysis.

Today's state of analysis over genomes looks very ... amateur. Reading descriptions of some analysis I have this feeling that if my first and last name would consist of A, T, G and C letters then ... if I would have too much of Ts then - potentially - I will have a cancer.

Don't get me wrong, I am happy that we came to this point and from it we - as a humanity - can go forward. Achieve next goals on a very long and exciting roadmap. Keeping my fingers crossed!

To make analysis more accurate - even like the silly one above - we need much more environmental, lifestyle and health data what will allow us to teach better our algorithms.

Thankfully great revolution is around the corner - **wearables** **[https://www.google.com/search?site=&tbm=isch&source=hp&biw=1920&bih=967&q=wearables&oq=wearables&gs_l=img.3..0j0i30l9.831.831.0.1644.1.1.0.0.0.0.131.131.0j1.1.0....0...1ac.1.64.img..0.1.129.X1qpndtfeSw]** !

Health data? While it is so hard to get them back from public/private health systems - getting them straight from the people, from their wearables, will be much easier.

Environmental data? Lifestyle details? They all will be captured by intelligent watches, t-shirts, shoes and belts.

wearables + genomes == genomes + meta data

All additional data can be kept in service like GenomeMeta [http://scalaakka.blogspot.com/2015/11/ideas-for-genomics-project-genome-meta.html] . There can be a case when those meta information will almost as pricey as genome itself.

Posted 27th November 2015 by Artur Stanek (kermitas)

Labels: bioinformatics, GenomeMeta, genomics, ideas-for-genomics-project, non web find, prediction, SafeGenome, wearables

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