

Data Journals y data papers: ¿nuevas revistas, viejas costumbres?

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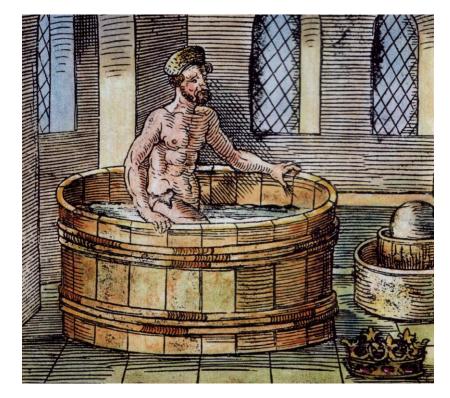
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Ciencia vs Datos

- Relación Nueva? No

- Escala

- Transparencia y eficiencia



http://es.wikipedia.org/wiki/%C2%A1Eureka!#/media/File:Archimede_bain.jpg

Estrategias relación revistas y datos

- Pampel & Dallmaier-Tiessen (2014) describen las tres posibilidades por las cuales los científicos pueden difundir sus datos de investigación:
- 1- Publicación como objeto de información independiente en un repositorio de datos de investigación.
- 2- Publicación de datos de investigación en forma de data paper en una data journal.
- 3- Publicación de datos de investigación junto al artículo, en la forma de *enriched publication*.

¿Qué son los data papers?

Chavan y Penev (2013) definen un data paper como "una publicación en una revista el propósito de la cual es describir datos en vez de que informar de una investigación o sus conclusiones".

Así, contendría los datos, sin las hipótesis y/o los argumentos, los resultados o la discusión que se haya llevado a cabo.

Por extensión, una *Data Journal* sería una revista especializada en la publicación de *Data Papers*.

submissions

sequencing the whole genomes of 2,636 Icelanders to depth of at least 10X and by chip

genotyping 101,584 more. The sequencing was done with Illumina technology. The median

Genome-wide association scans were initially based on 300–600 k SNP chip genotyping arrays designed based on the HapMap dataset¹. The HapMap project focused primarily on common variants (MAF>5%) and methods were subsequently developed to accurately impute 2.5 million HapMap phase 2 SNPs into such chip data². This has led to the discovery of a plethora of associations between common sequence variants and human diseases and traits³.

Large scale whole genomic sequencing has allowed the detection of rare sequence variants that range in effect from causing diseases to modifying complex disease risk—variants that would recently either not have been observed or could not be tested for association with disease on a sufficiently large scale. Several large sequencing projects are ongoing such as the 1000 Genomes project⁴, the Exome sequencing project (ESP)^{5,6} and the GoNL project⁷.

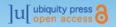
We have sequenced the whole genomes of 2,636 Icelanders using Illumina technology. The individuals were selected for sequencing based on having a wide range of phenotypes (Tables 1 and 2). The sequencing was done to a mean depth of at least 10X (median 20X), including 909 to a mean depth of at least 30X (Fig. 1). For individuals with an average depth of at least 10X, a coverage of at least 1X was achieved for 2.72 Gb and of 10X or more for 2.70 Gb. For individuals with an average depth of at least 30X, a coverage of at least 30X was achieved for 2.35 Gb. A total of 20 million autosomal SNPs and 1.5 million indels, up to a length of 60 base-pairs (bp), were identified and their genotypes called for all samples simultaneously using the Genome Analysis Toolkit (GATK version 2.3.9, Fig. 2)8. We used information about haplotype sharing, taking advantage of the fact that all the sequenced individuals had also been chip-typed and long range phased to improve variant genotyping9.

Table 1: The 50 most prevalent conditions among the 2,636 sequenced Icelanders.

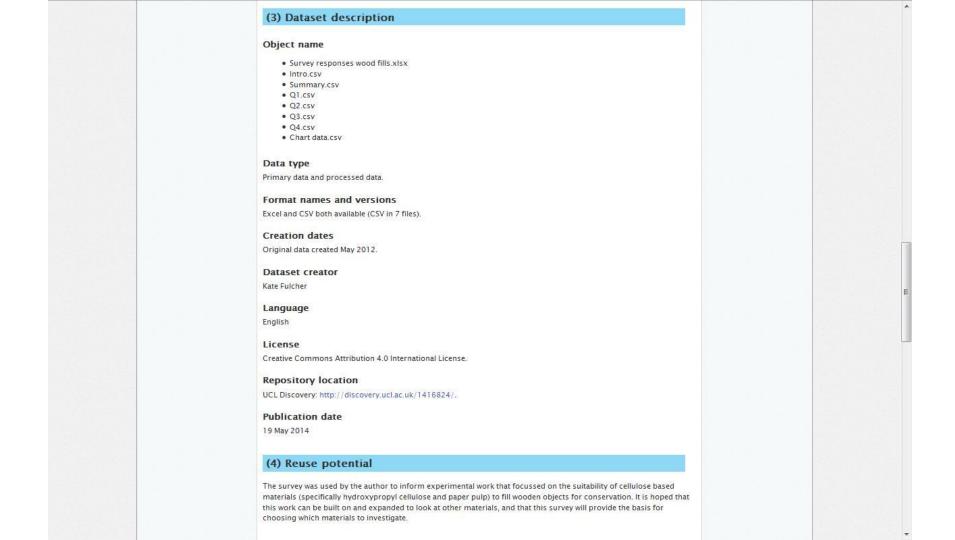


judgments, books of family pedigrees, registers of farmers, registers of professional and lists of

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DATA PAPER

Data from the Race Implicit Association Test on the Project Implicit Demo Website

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Abstract

This data archive includes Race Implicit Association Test (IAT) scores of 2,355,303 Internet volunteers who completed educational/demonstration versions of the Race IAT at https://implicit.harvard.edu from 2002 to 2012. Data in this archive can be downloaded for all years, either separately by year or in a single file. Codebooks, indicating the variable labels and value labels, and changes of variables over years, are available for both individual-year data sets and the entire data set. Participation in the (still on-going) Race IAT "study" at the Project Implicit (PI) demonstration site includes completion of the Race IAT along with demographic questions, self-report measures of racial attitude, and various additional measures received by a portion of the participants. These data allow analyses involving changes in responding over time and interrelations among IAT and self-report measures of race attitudes, as well as the association of each of these with demographics. This archive is available at http://osf.io/project/52qxL/.

Dataset

The Data described in this paper is available from the Open Science Framework: https://osf.io/52qxl/ [1].

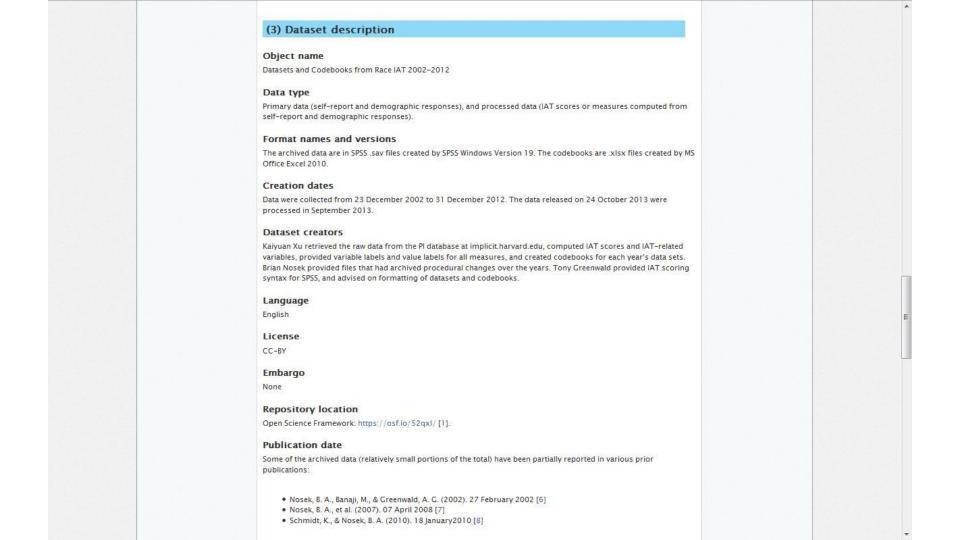
Keywords: Implicit Association Test, race, Implicit attitude, IAT.

Funding Statement

Project Implicit, University of Washington, Yale University, University of Virginia, and Harvard University provided resources essential to creating and maintaining the archive.

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in developing



Ventajas Data Papers

- Mayor profundidad en aspectos de metodología
- Experimentos que no dieron resultado, tener los datasets para comparaciones
- Favorece la reutilización
- Existe revisión de los artículos
- Permite la difusión de los datasets con valor añadido
- No sustituye al full paper
- Sinergia con los repositorios de datos, tanto generales como especializados
- Emergencia de datos antiguos no publicados

Riesgos Data Papers

- Campo abonado a predatory journals
- Riesgo de abonar "salami publication"
- ¿Cómo se revisan los paquetes?
- ¿En qué formatos son disponibles?
- ¿Quién se responsabiliza de los aspectos éticos y de privacidad de los *datasets* (revista, autor...)?
- Enlace y vínculo con el full paper

Conclusiones

- Una nueva especie en el ecosistema de la Comunicación Científica
- Se necesita perspectiva para poder evaluar la implantación
- Estudios de calidad y diferenciación entre iniciativas

Referencias

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Muchas gracias!

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