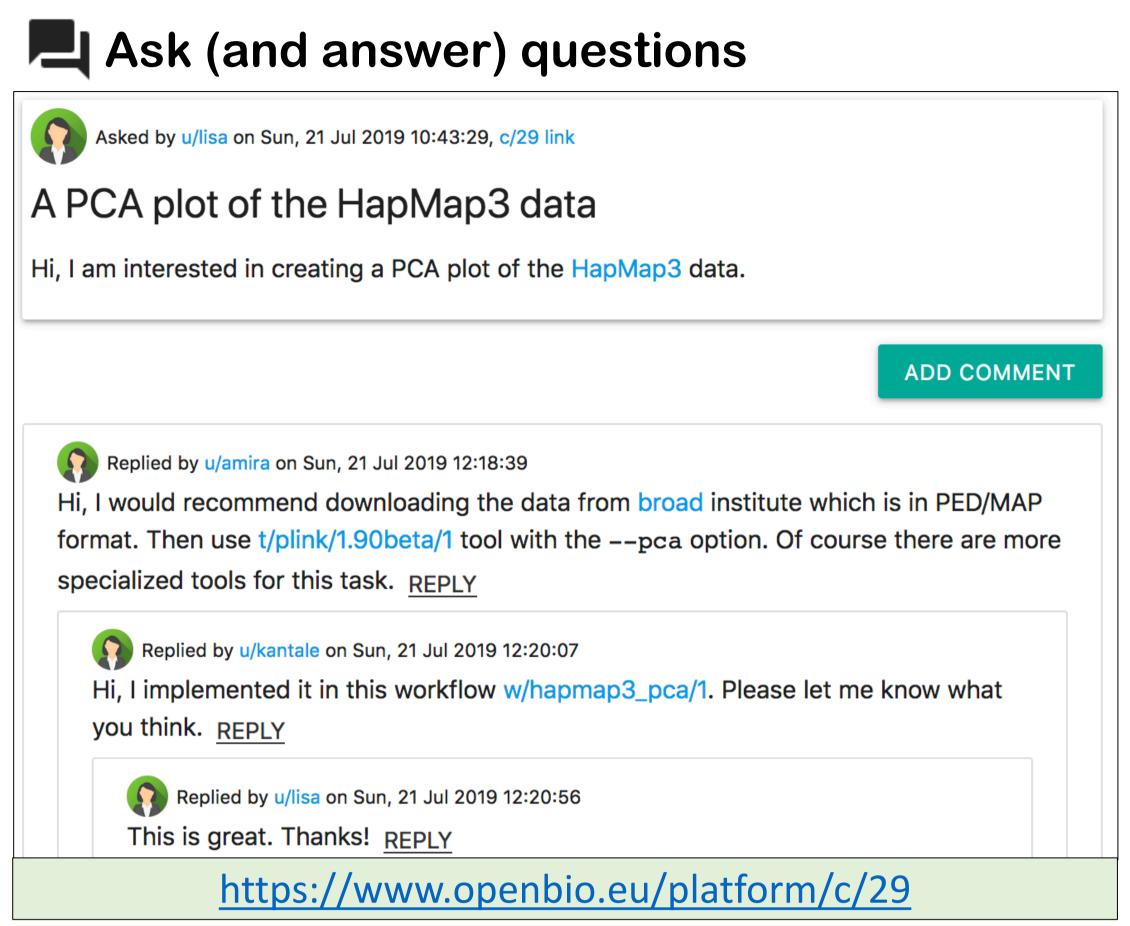
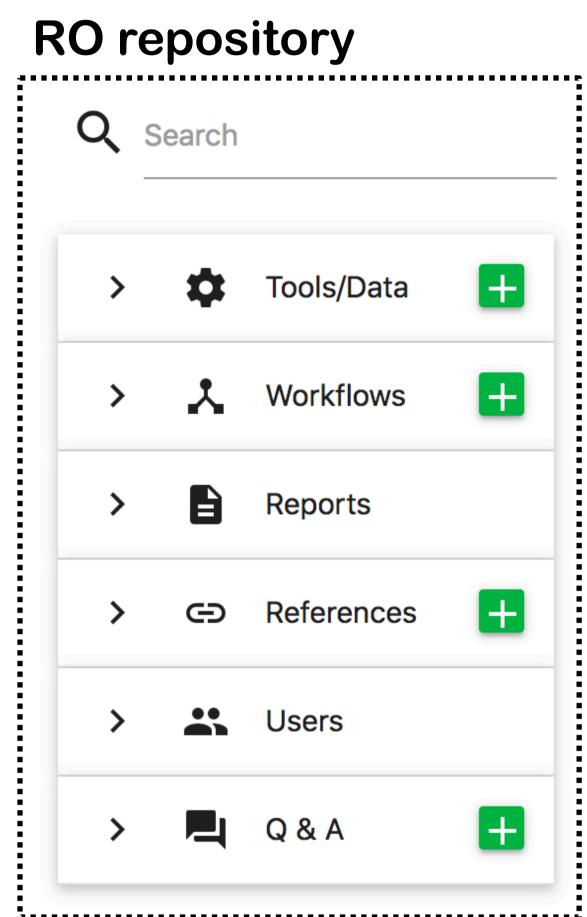
OpenBio.eu: An Online Social Workflow Management System and Research Object Repository

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www.openbio.eu is an inclusive social-science system that maximizes the FAIR principle. It contains, a workflow management system, a tool/data repository, a scientific reference management system, a Question & Answer resource and an execution monitoring environment.

It does not require the knowledge of any DSL. Do you know the BASH commands that install a tool or download a dataset into a POSIX environment? This is all you need to know.

Build as a Single Page Site in Django and AngularJS

Availability: https://www.openbio.eu/
Code: https://github.com/kantale/OpenBioC
License: BSD 3-Clause , Twitter: @openbioe

Contact: kantale@ics.forth.gr Manage Datasets Manage Tools and Dependencies drag & drop Compose Workflows hapmap3/broad/1 plink/1.90beta/1 created by u/kantale, created at Sat, 20 Jul 2019 12:48:37 link created by u/kantale, created at Sat, 20 Jul 2019 13:54:11 link hapmap3_pca http://www.cog-genomics.org/plink/1.9/ https://www.broadinstitute.org/medical-and-population-**Website:** Website: genetics/hapmap-3 2d_scatter_of_plink_pca/1 plink/1.90beta/1 hapmap3/broad/1 **Description:** This is a comprehensive update to Shaun Purcell's PLINK This is draft release 1 for genome-wide SNP genotyping and command-line program, developed by Christopher Chang with **Description:** targeted sequencing in DNA samples from a variety of human support from the NIH-NIDDK's Laboratory of Biological populations (sometimes referred to as the "HapMap 3" Modeling, the Purcell Lab, and others. Reference: r/Chang_2015 samples). Reference: r/hapmap3 population statistics association analysis meta analysis Tags: anaconda3/2019.03/ population genetics dataset Tags: **Operating Systems:** https://www.openbio.eu/platform/t/hapmap3/broad/1 **POSIX** system Workflow **Installation Commands** https://www.openbio.eu/platform/w/hapmap3 pca/1 1 # Insert the BASH commands that install this tool 2 # The following tools are available: 3 # apt-get, wget wget http://s3.amazonaws.com/plink1-assets/plink_linux_x86_64_20190617.zip hapmap3_pca/1 2d_scatter_of_plink_pca unzip plink_linux_x86_64_20190617.zip **Validation Commands** created by u/kantale, created at Sat, 20 Jul 2019 16:13:43 link 1 # Insert the BASH commands that confirm that this tool is correctly installed 2 # In success, this script should return 0 exit code. anaconda3/2019.03/ 3 # A non-zero exit code, means failure to validate installation. ./plink --file toy DOWNLOAD FIT CLEAR ĶΧ Variables **BASH** executable **Description** Name Value No dependencies **Monitor execution** No installation ./plink path executable Run:x7Qxx w/hapmap3_pca/1 Workflow: Directly executable https://www.openbio.eu/platform/t/plink/1.90beta/1 u/kantale, created at: Sat, 20 Jul 2019 16:59:05 link bash script.sh-← Manage References Workflows chang_2015 0.04 added from u/kantale, created at Sat, 20 Jul 2019 13:53:12 link Christopher C Chang, Carson C Chow, Laurent CAM Tellier, Shashaank Vattikuti, 0.02 napmap3_pca/ Shaun M Purcell, and James J Lee. Second-generation PLINK: rising to the challenge of larger and richer datasets. GigaScience, feb 2015. URL: https://doi.org **Tools** anaconda3/2019.03/1 /10.1186%2Fs13742-015-0047-8, doi:10.1186/s13742-015-0047-8. 0.00 -0.02napmap3/broad/ -0.04chang_2015

0.00

-0.02

0.02

The Roadmap

-0.04

OpenBio.eu wants to become a social meeting place for bioinformaticians and science enthusiasts. ROs (Research Objects) will be augmented with elements like: upvote/downvote, report buttons. Workflows will be exported in popular formats like CWL, WDL and formats for popular WMS systems like Galaxy, Nextflow and Snakemake. Support for active virtualization with Docker and resource monitoring. Discussions will be analyzed and visualized with a graphic discourse representation system (Dicode).

17:00

Funding

Title:

URL:

DOI:

Notes:

BIBTEX:

Second-generation PLINK: rising to the challenge of larger and

@article{Chang_2015, doi = {10.1186/s13742-015-0047-8}, url

https://doi.org/10.1186%2Fs13742-015-0047-8

https://www.openbio.eu/platform/r/chang 2015

10.1186/s13742-015-0047-8

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https://www.openbio.eu/platform/report/x7Qxx



17:15