

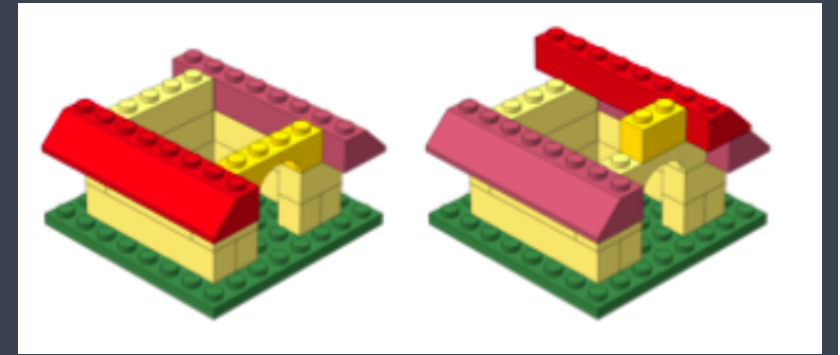
Introduction to Variant Analysis

Harvard Chan Bioinformatics Core

<https://tinyurl.com/Intro-to-variant-analysis>

Sponsored by DF/HCC and HMS Foundry

Learning Objectives



- ✓ Evaluate QC metrics for variant calling
- ✓ Call variants using GATK
- ✓ Filter variants to retain only high-quality variant calls
- ✓ Annotate variants using SnpEff and dbSNP
- ✓ Prioritize variants by their impact
- ✓ Visualize variants in IGV

Exit survey

Interested in additional training?

<https://hbctraining.github.io/Training-modules/>

Short workshops: Current Topics in Bioinformatics

These workshops are free and open to all researchers at Harvard University and affiliated institutions.

- **Workshops** on bioinformatics methods & related skills.
- Once a month for 3 hours
- Hands-on workshops - be prepared with your MAC or Windows computer
- **Free and open to everyone at Harvard University and its affiliates**
- Will meet the **first Wednesday of the month** (with one exception) **online via Zoom**
- **Sign up at the links below to receive the workshop Zoom link**

Interested in additional training?

<https://hbctraining.github.io/Training-modules/>

Current Topics in Bioinformatics workshops 2023 Schedule (1pm - 4pm):

Topic and Link(s) to lessons	Prerequisites	Date	Registration
Introduction to Shell	None	1/18/2023	Sign up!
Intermediate Shell	None	2/15/2023	Sign up!
Advanced Shell	None	3/13/2023	Sign up!
Git/Github	Introduction to Shell	4/19/2023	Sign up!
Basics of Python	None	6/21/2023	Coming soon

Data Management Short Workshops

- | | | |
|--------------------------------|---|--|
| <input type="checkbox"/> Feb 8 | Making Code and Software Open:
Connecting GitHub and Data
Repositories | Zoom
(libcal.countway.harvard.edu...) |
| <input type="checkbox"/> Mar 2 | Ask an Expert: NIH Data Management
and Sharing Policy Virtual Office
Hours | Zoom
(libcal.countway.harvard.edu...) |

<https://datamanagement.hms.harvard.edu/about/news-events/rdmwg-calendar>

Get (stay) in touch with us!

Sign up for our mailing list:

<https://tinyurl.com/hbc-training-mailing-list>

Training email: hbctraining@hsph.harvard.edu

Consulting email: bioinformatics@hsph.harvard.edu

Twitter: [@bioinfocore](https://twitter.com/bioinfocore)