



BIALYSTOK UNIVERSITY OF TECHNOLOGY



OPEN  
FOREST  
DATA



Mammal Research Institute  
Polish Academy of Sciences  
Bialowieza

## Dataverse Community Meeting 2020

Held Remotely on June 17, 18, and 19

The  
**Dataverse®**  
Project



A set of new Dataverse external tools for advanced data visualization in hard sciences

<https://openforestdatapl>

Kamil Guryn

Bialystok University of Technology



# 1. 3D Viewer

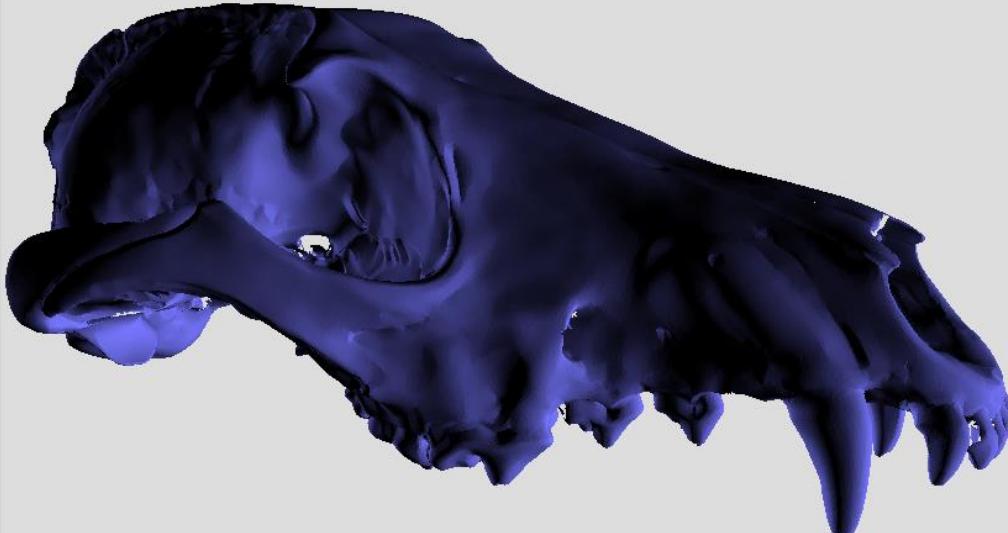
Preview    Metadata    Versions





File name	MRIPAS_coll_170857_CanisAureus_2017_M_skull_scan3D.stl
File size	26 MB
Vertex count	1604745
Triangle count	534915
X Size	55.64
Y Size	37.36
Z Size	101.63

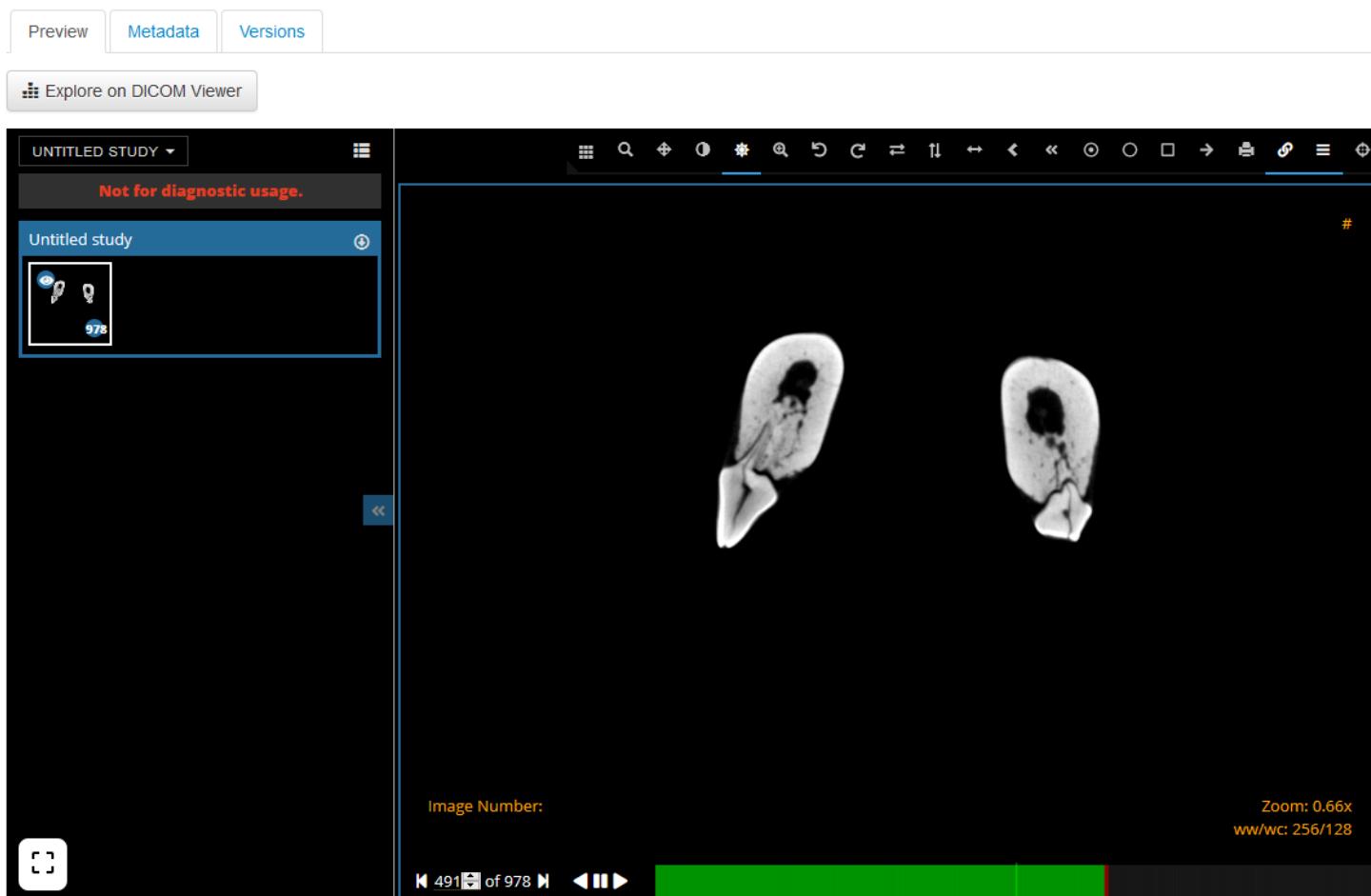
Show meshes



*Golden jackal (*Canis aureus*)*



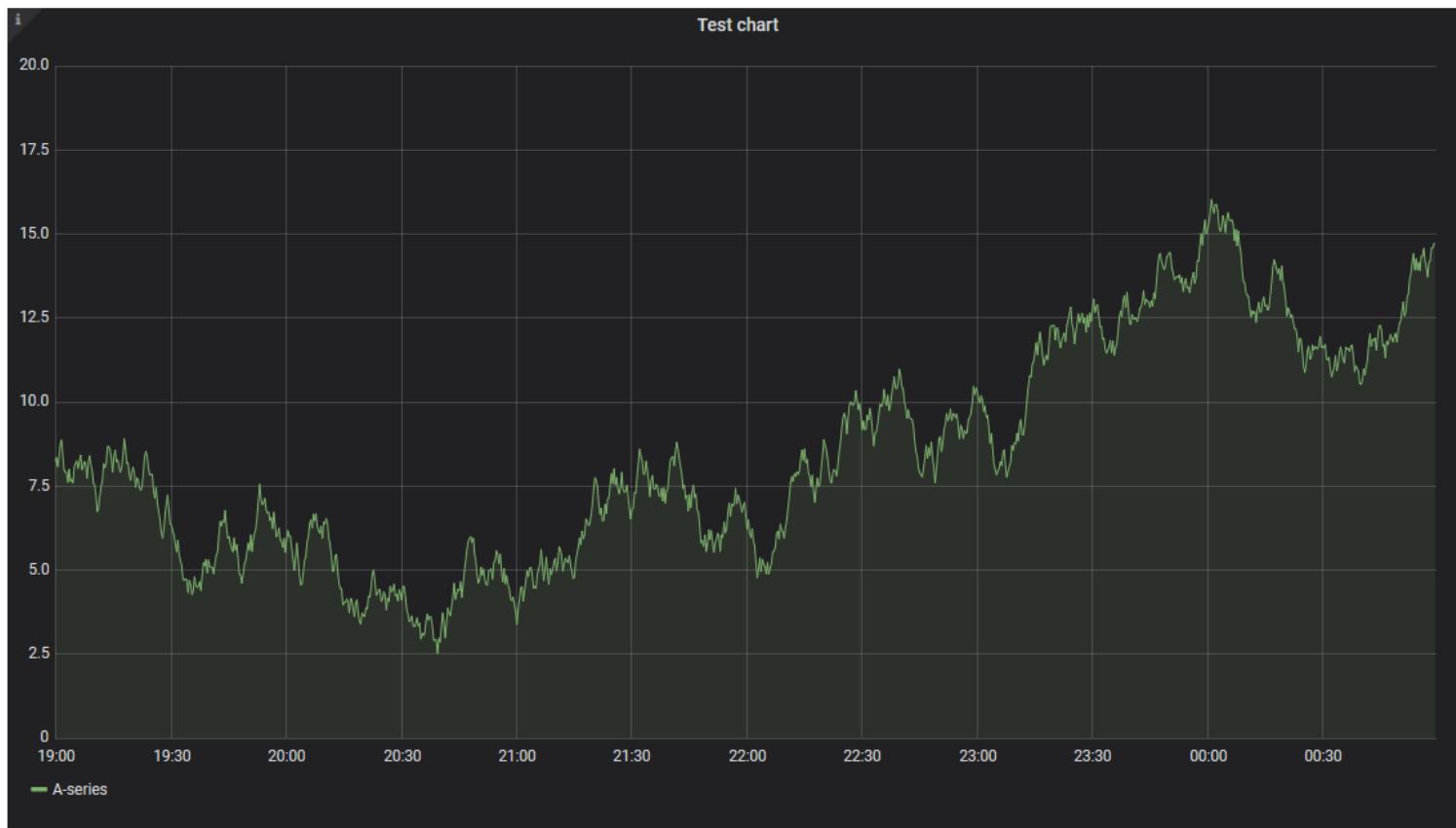
## 2. DICOM Viewer



*Computer tomography image of Apodemus Flavicollis*



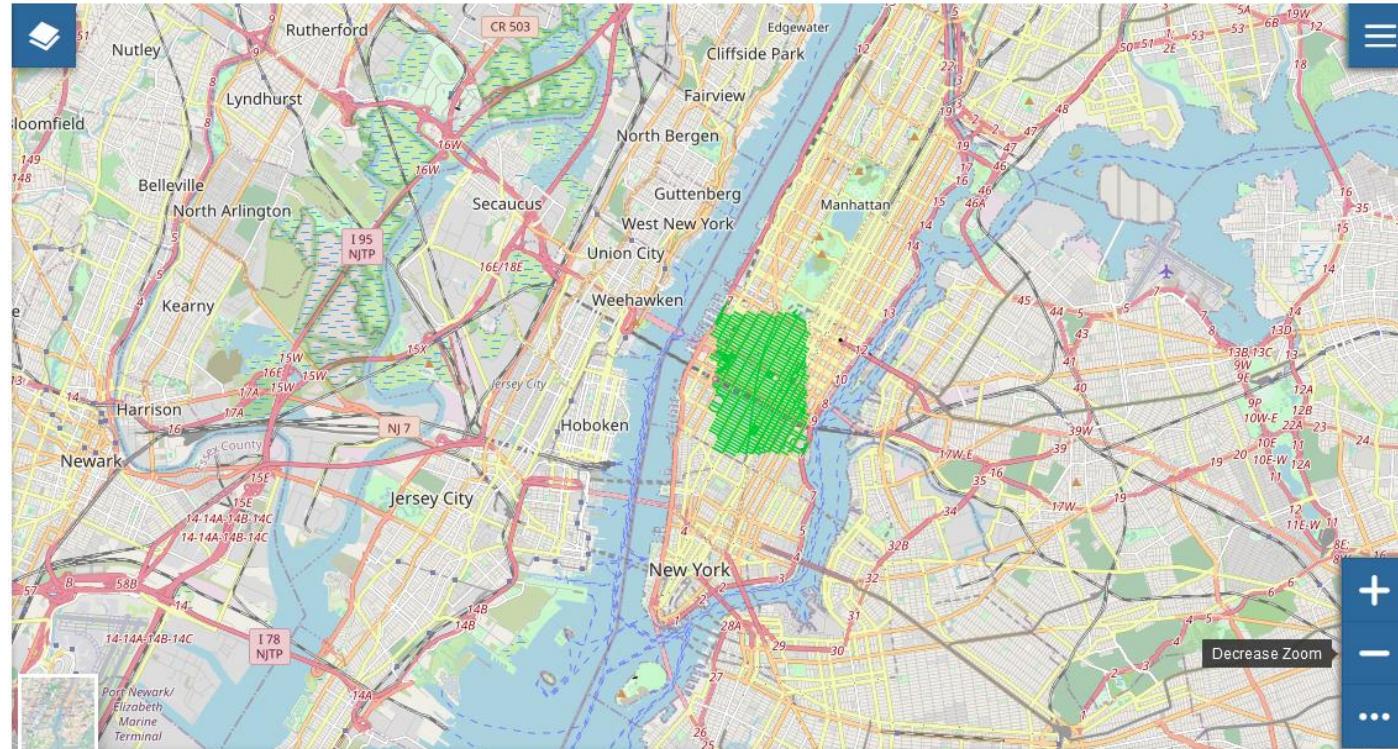
# 3. Chart Viewer

[Preview](#) [Metadata](#) [Versions](#)[Explore on Chart Viewer](#)

# 4. Map Viewer

Preview    Metadata    Versions

[Explore on Maps Viewer](#)



A detailed map of New York City and its suburbs, including Manhattan, Brooklyn, Queens, Bronx, and parts of New Jersey. A large green shaded area is visible in the central part of Manhattan, roughly bounded by 42nd Street to the south, 149th Street to the north, and 5th Avenue to the west. The map shows a dense network of roads, highways (e.g., I-95, I-78, NJTP), and local streets. Labels for various neighborhoods like Rutherford, Nutley, Bloomfield, Belleville, North Arlington, Kearny, Harrison, Newark, Secaucus, Cliffside Park, Fairview, North Bergen, Guttenberg, West New York, Union City, Weehawken, Hoboken, Jersey City, and Manhattan are present. A legend in the bottom left corner identifies the green shaded area as "Port Newark/Elizabeth Marine Terminal". On the right side, there are zoom controls (+, -, ...).



## 5. TIFF Viewer

[Preview](#) [Metadata](#) [Versions](#)[Explore on TIFF Viewer](#)

External tools gives a very attractive and even crucial functionality for the typical end users of hard science portals

With external tool mechanism, it's not necessary to create a fork of Dataverse. Thank you Harvard and the community for that 😊





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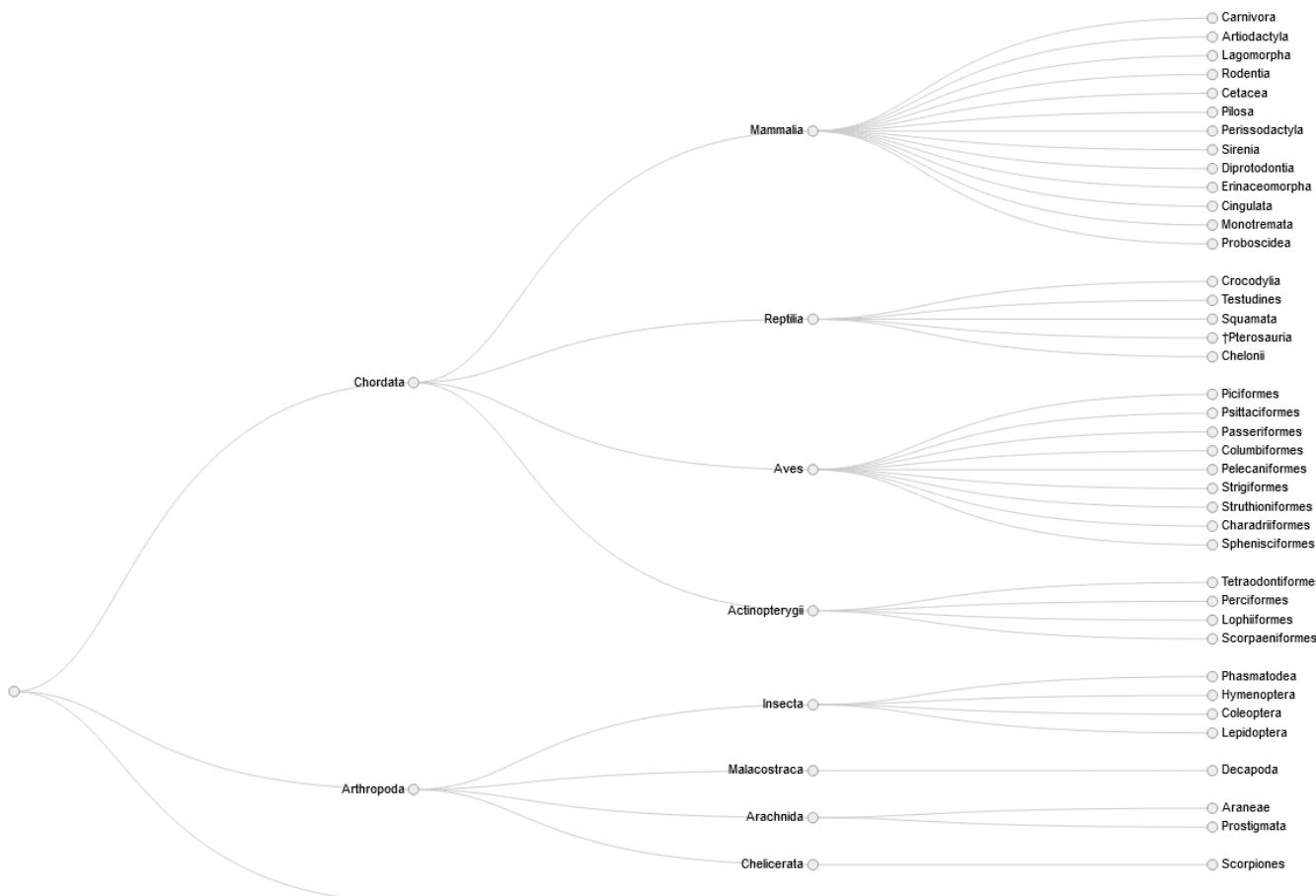


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## Ideas of another external tools:



# RAWGraphs.io Viewer



*Cluster dendrogram (Hierarchy)*





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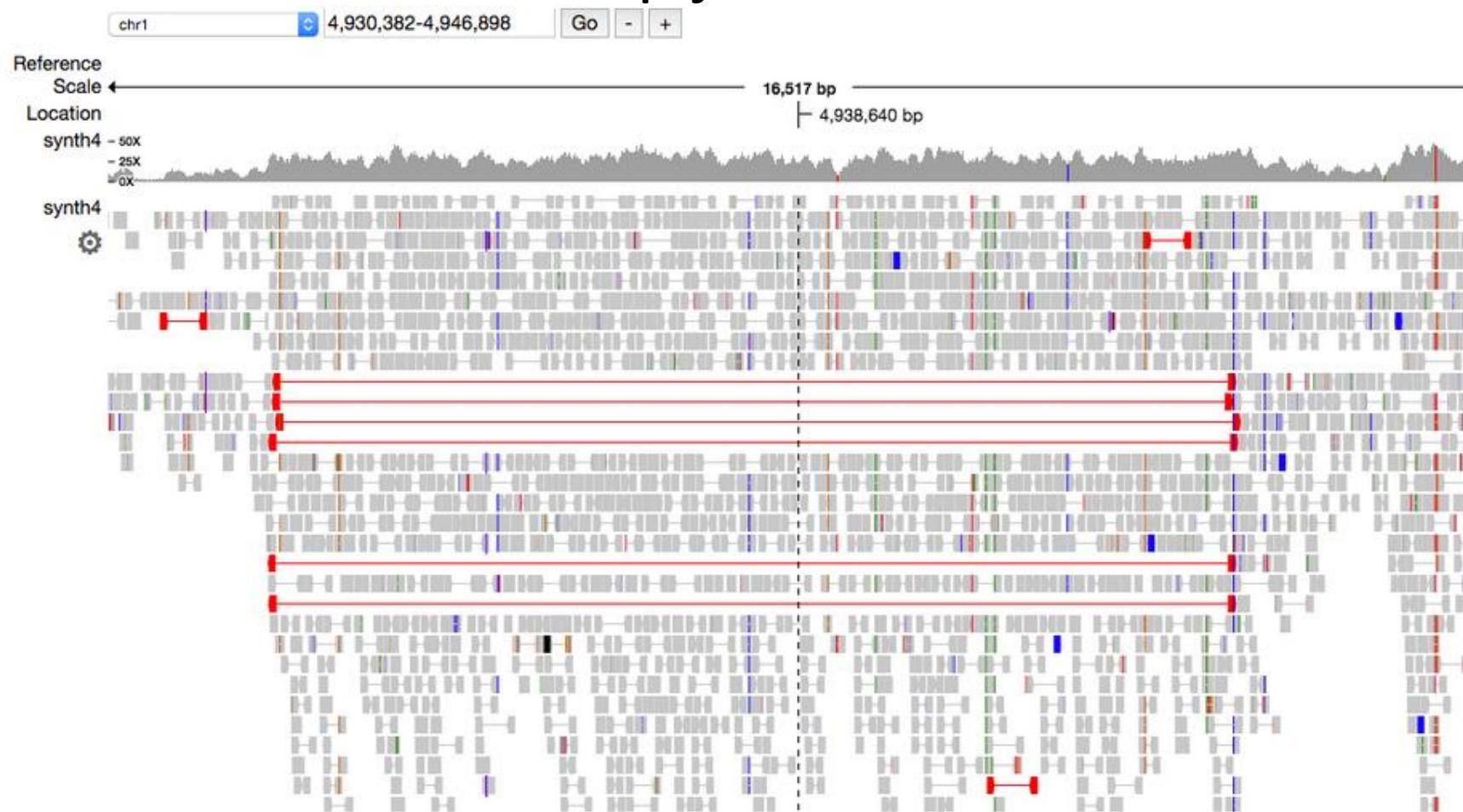


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# Pileup.js Viewer



*pileup.js: a JavaScript library for interactive and in-browser visualization of genomic data*



## LIVE DEMO

Link to a dataset with a collection of Dataverse external tools for advanced data visualization in hard sciences:

<https://openforestdatapl/dataset.xhtml?persistentId=doi:10.5072/FK2/8PMY7B>





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## Thanks for your attention, any questions?

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