Bioinformatic Resources at the GWDG bioinfo.gwdg.de

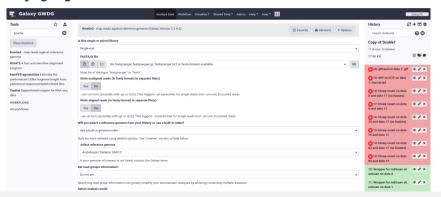
Martin Paleico

Workflow Tools:

Hosted Services

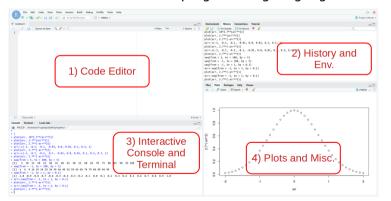
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■ Galaxy: Open-source scientific workflow, data integration, and analysis persistence platform, mostly for bioinformatics (genetic sequence analysis) galaxy.gwdg.de



Programming and IDEs:

■ RStudio: Interactive IDE for the R programming language rstudio.gwdg.de



■ JupyterHub: Interactive Jupyter Notebooks in Python

Hosted: Windows Server, Misc.

Windows Server:

- WinTSBio: Windows server hosting a variety of applications docs.gwdg.de/doku.php?id=de:services:server_services:compute_server:windows_terminal_server
- Various Statistics Software: SAS, STATA, Statistica, SPSS (some also available as individual licenses for free or at reduced prices)

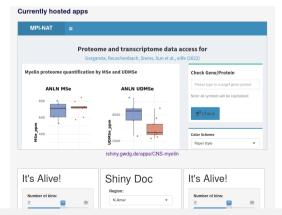
Miscellaneous:

- Scientific Compute Cluster (SCC): Dozens of bioinformatics programs, plus computing power
- MASCOT: Protein identification using mass spectrometry data

Hosted: Misc.

Miscellaneous:

■ RShiny Server: **NEW SERVICE** Hosting of user generated web applets in the RShiny framework **rshiny.gwdg.de**



Licenses

Hosted Services

- XWin: Windows X server for accessing Linux based applications
- Geneious Prime: Platform of molecular biology and sequence analysis tools



Figure: Source: Geneious Prime website

Community/Communication Channels

- Website: bioinfo.gwdg.de (out of date, will be replaced)
- Rocket Chat: bioinformatics
- Mailing List: listserv.gwdg.de/mailman/listinfo/hpc-in-lifescience

Questions?
Comments?
Suggestions for new services
or requests for particular tutorials?