

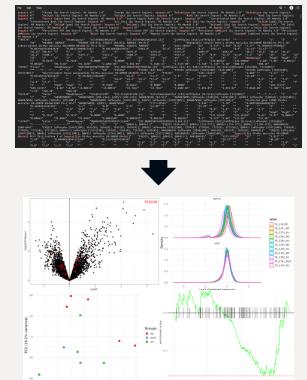
Unlocking Insights & Visualizing Proteomics Data for Researchers

Duke | Code 

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The Problem & Objective

Proteomics, the study of proteins, produces large, complex datasets that are hard to interpret without coding skills. Our task was to create an app that biology researchers can use to perform analyses and render plots with minimum coding skills.

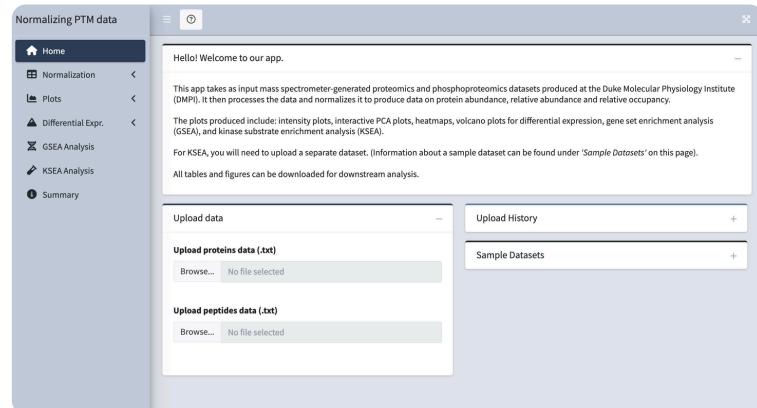


Proteomics' Importance

Proteomics is essential for understanding how cells function and how diseases develop as proteins change in response to environmental signals, disease states, and treatments. Therefore, they are a cornerstone across many fields of medicine and biology research, including cancer, Alzheimer's and other neurodegenerative diseases; and infectious diseases.



Tools



Acknowledgements

Stakeholder: Dr Akshay Bareja
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Team Leads: Mark McCahill & John Herr

Code+ Admins: Sheri Tibbs & Jen Vizas

Our Demo & GitLab

App Demo



youtu.be/PpTL_Eenbfc

GitLab Repo



<https://tinyurl.com/gitlab-proteomics>