Learning How to Code With Open Access Neurobiology Datasets

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Programming is a valuable skill for our biology undergraduates, yet there is a significant barrier to entry on behalf of both students and instructors. This webinar will motivate the inclusion of coding in biology lab classes (especially for online teaching) and provide instructors with easy tools and a sample lesson plan to integrate these skills into your classroom. Webinar participants will conduct a short virtual lab using open data from the Allen Institute for Brain Science and analyze that data using Python. The lesson plan and virtual lab covered in this webinar are intended for college instructors teaching intermediate to advanced courses related to neuroscience, genetics, and computer science.

Keywords: Programming, open access, neuroscience, genetics, coding

Mission, Review Process & Disclaimer

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