



## New York University

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### DEPARTMENT OF PHYSICS

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RE: NSF Grant Proposal "SI2-SSE:Improving Scikit-learn Usability and Automation"

I am Professor of Physics and Data Science at New York University. My group works on astronomy and astrophysics, with a strong concentration on data analysis contexts in which making measurements is technically challenging.

If the proposal submitted by Dr. Andreas Mueller entitled "SI2-SSE:Improving Scikit-learn usability and automation" is selected for funding by NSF, it is my intent to collaborate as detailed in the Project Description.

Having software solutions for more automated model and parameter selection has applications in our projects to calibrate imaging spacecraft (like the GALEX and Kepler missions) and in our data-driven models of stars (exemplified by our project called The Cannon). I commit to being an early adopter of the software created in the aforementioned proposal, applying it to these and related problems and providing feedback on the usefulness, design, and implementation of the software.

Sincerely,

David Hogg