SageMathCloud:

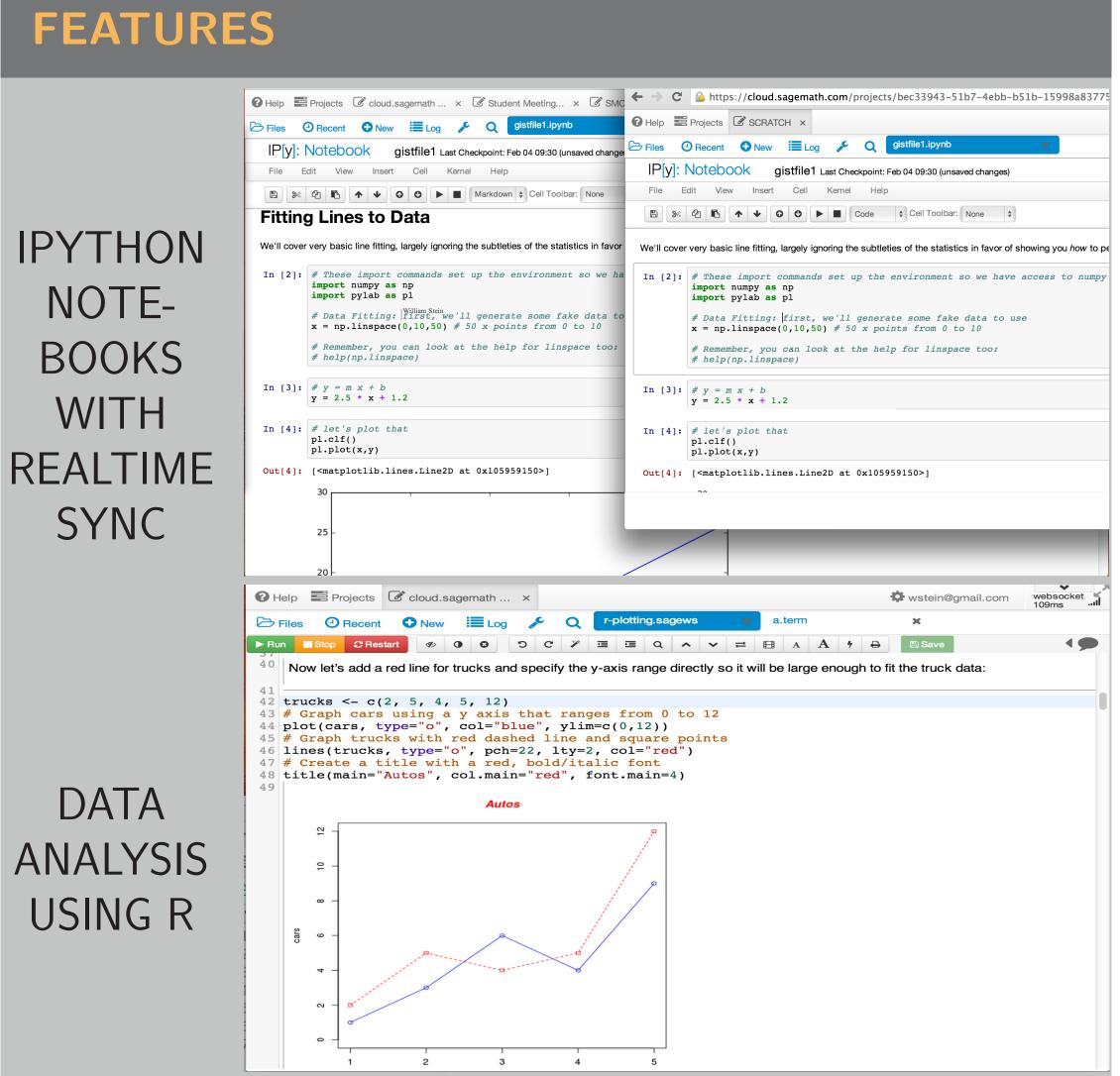
Creating a viable cloud-based alternative to Magma, Maple, Mathematica and Matlab

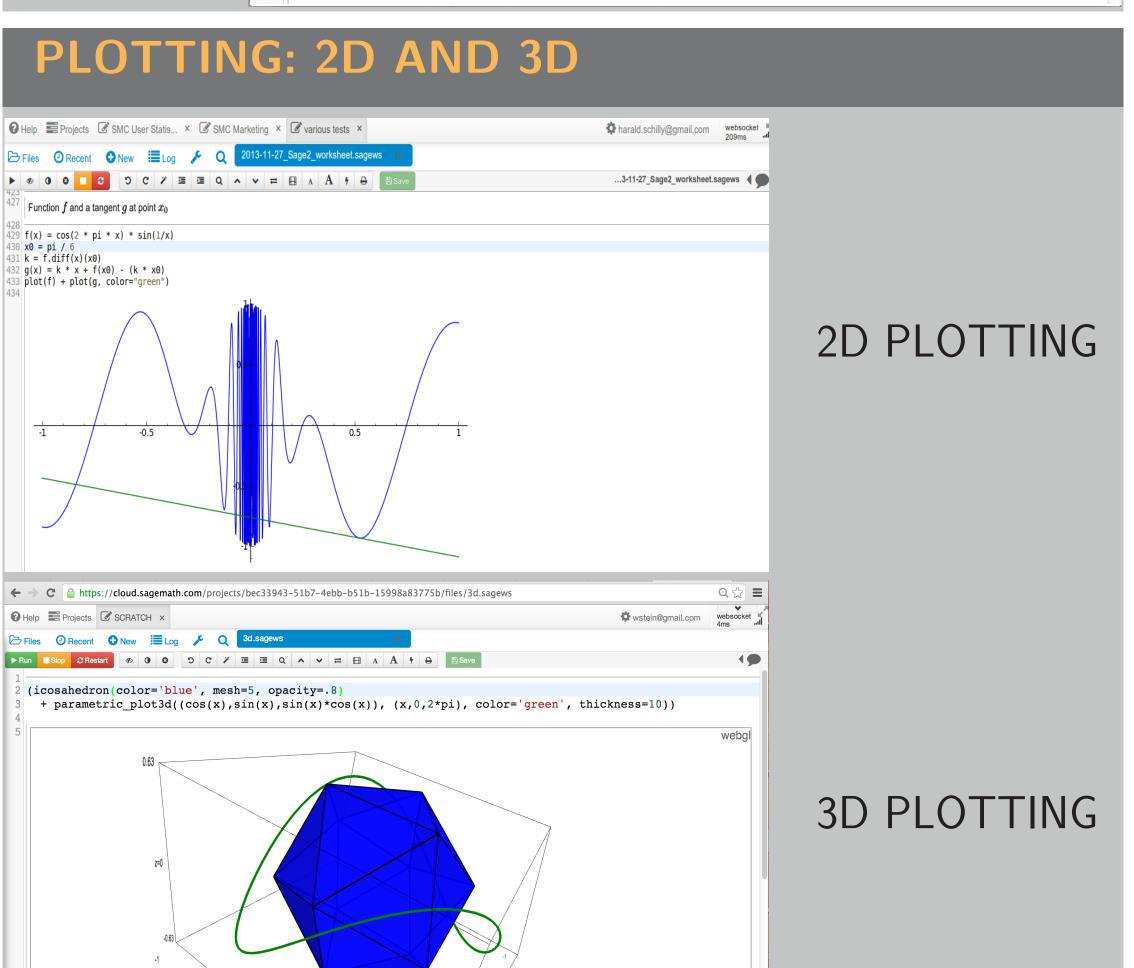
William Stein, Hao Chen contact: William Stein wstein@uw.edu Department of Mathematics, University of Washington, Seattle

INTRODUCTION

cloud.sagemath.com

- ► Collaborative online computing service
- ► Real-time synchronization of worksheets and files
- ► Powered by Linux, IPython, Sage, LATEX, Octave, R, Julia, Java, Lisp, and more.





LATEX EDITING CREATING THIS POSTER IN THE CLOUD https://cloud.sagemath.com/projects/3e44a434-c2f0-43ff-87bf-affdb1efcdbe/files/poster-final-draft/beamerposter-example/poster-surf.tex Q Q 🖽 🖽 👪 🕹 SageMath Creating a viable cloud-based alternative to Ma 24 \graphicspath{{figures/}} 26 \title{\huge SageMathCloud: \\ 27 \vskip5pt Department of Mathematics, University of Wash 28 \large Creating a viable 29 cloud-based alternative to Magma, Maple, Mathematica and Matlab} cloud.sagemath.com 30 \author{William Stein, Hao Chen \\ 31 \vskip1pt dditionally, in case of gene our project can be re-starte n less than a minute. 32 contact: William Stein wstein@uw.edu} The primary focus is computation but \SMC is not limited to it. Data processing, collaborative ► Real-time synchronization of worksheets and files Subsection(Basic Teols) Supports huge stack of open-so This starts at the bottom with covers a lot of intermediate t various programming libraries. There is also support for emer Julia, and of course Python. Subsection(NaTEXP) 33 \institute[University of Washington]{Department ▶ Powered by Linux, IPython, Sage, LATEX, Octave, R, of Mathematics, University of Washington, whether the course yourself of the course you was course you will be considered to the course of the Julia, Java, Lisp, and more. 34 \date[Sep. 8th, 2009]{Sep. 8th, 2009} Jser Gro 37 \newlength{\columnheight} GROWTH I 38 \setlength{\columnheight}{105cm} **IPYTHON** NOTE-**BOOKS** WITH plot's plot that pl.clf() pl.plot(x,y) **%%%%%%%%%%%%%%%%%%%%%%%%%%%%%% REALTIME** 42 \begin{document} SYNC

