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
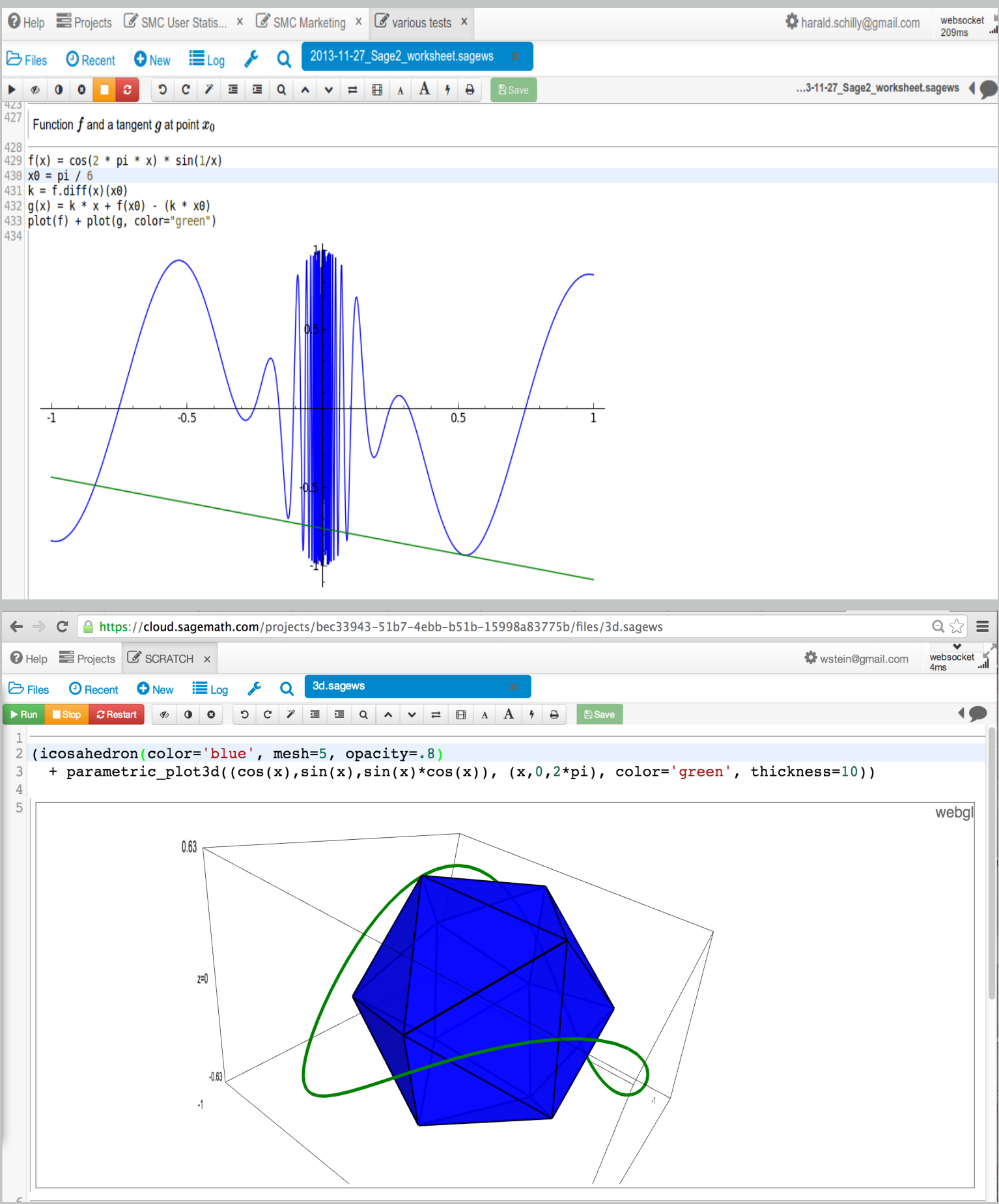- ► Powered by Linux, IPython, Sage, LaTeX, Octave, R, Julia, Java, Lisp, and more.

FEATURES

IPYTHON NOTE-BOOKS WITH REALTIME SYNC

DATA ANALYSIS USING R
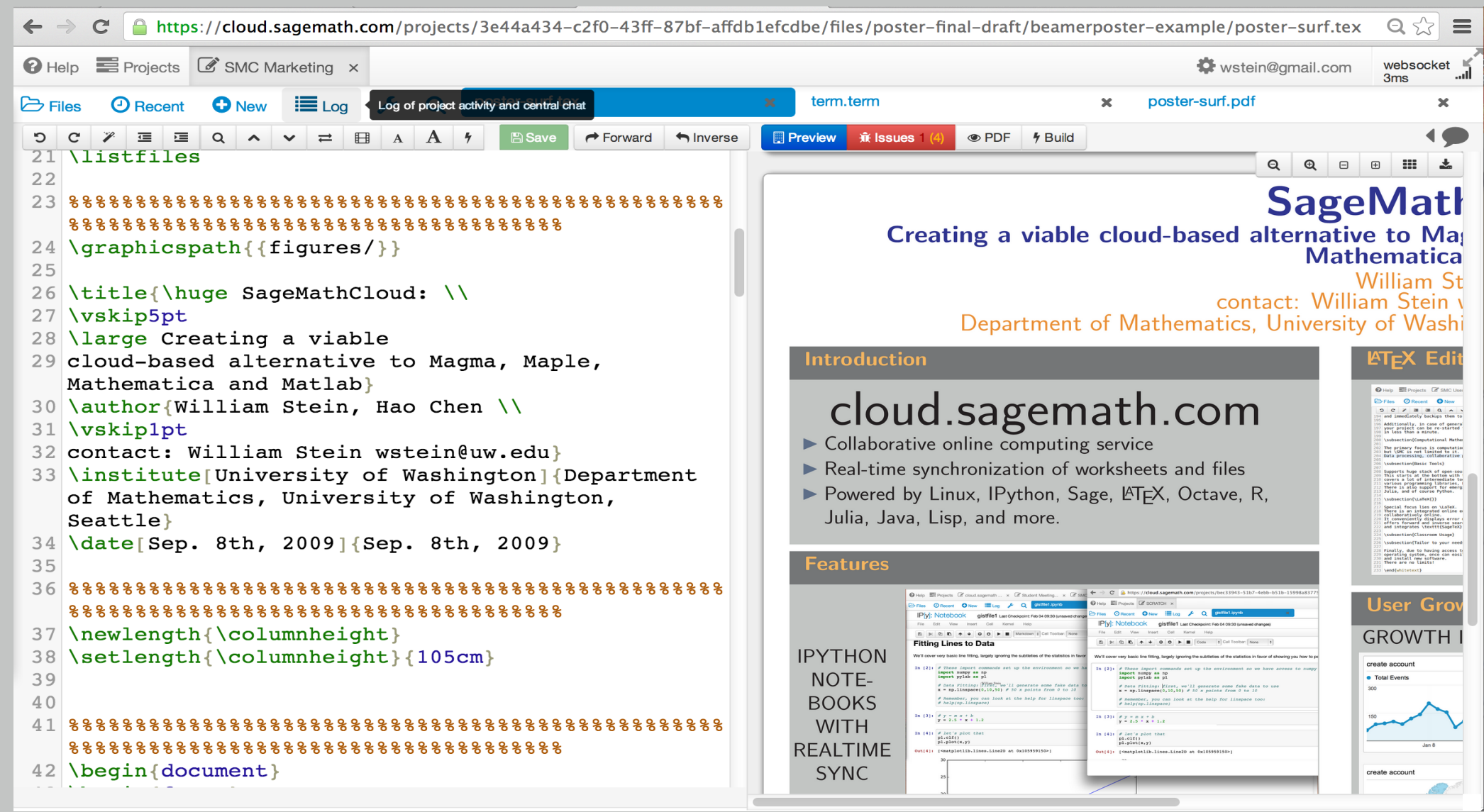
PLOTTING: 2D AND 3D

2D PLOTTING

3D PLOTTING

LaTeX EDITING

CREATING THIS POSTER IN THE CLOUD

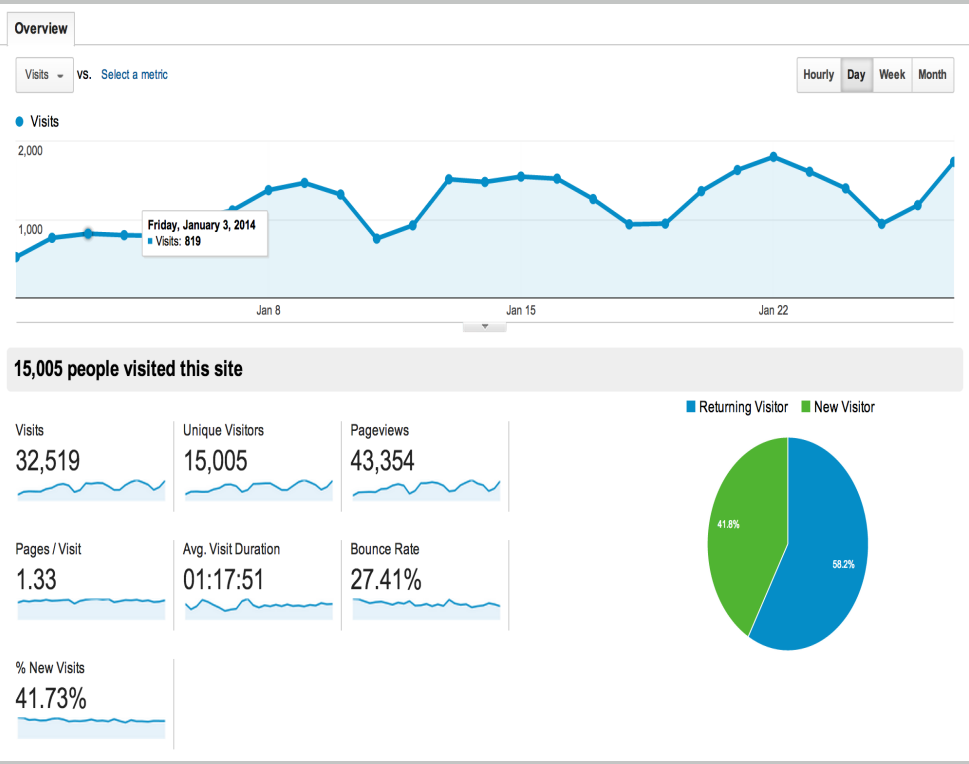IPYTHON NOTE-BOOKS WITH REALTIME SYNC
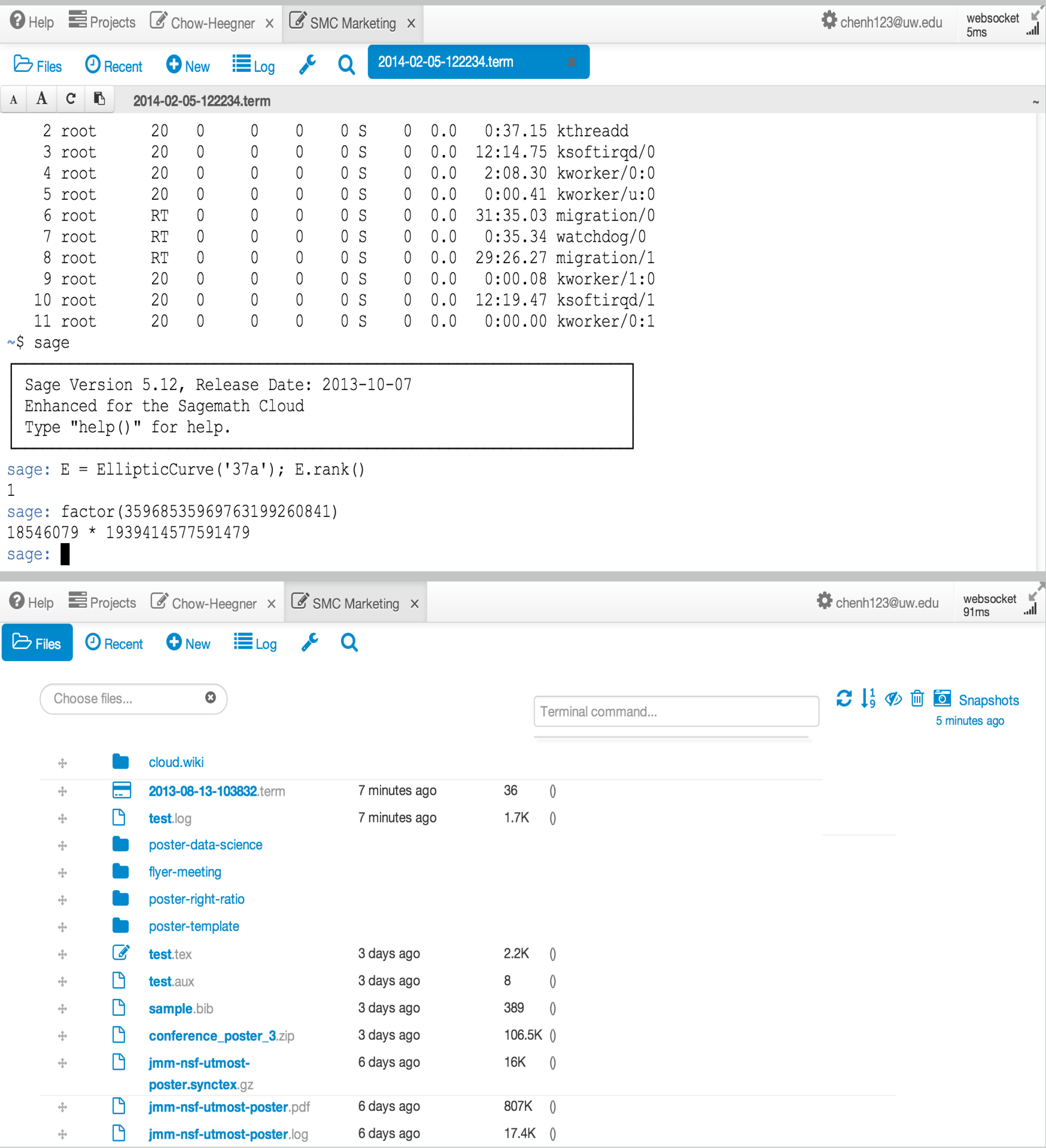
USER GROWTH

GROWTH IN NEW USERS

VOLUME OF VISITS

TERMINAL AND FILE BROWSER

WORKING IN TERMINAL

FILE SYSTEM