

Harvard-Chile Special Workshop on Data Science

An Innovative Learning Exchange

8-22 January 2014



The Institute for Applied Computational Science (IACS) of the School of Engineering and Applied Sciences (SEAS) at Harvard University and the Center for Mathematical Modeling (CMM) of the School of Engineering and Sciences (FCFM) at the University of Chile (UChile) are partnering together to provide a team-based intercultural learning experience during the (Chilean) summer period (Jan 2014).

Six Harvard students will work together with six Chilean students in three interdisciplinary teams on a real-world computationally challenging problem drawn from the data of a cutting-edge astronomical instrument, the Dark Energy Camera (DECam). The trip will include a five day stay in La Serena and a visit to the Cerro Tololo Interamerican Observatory (CTIO) and Gemini South to meet with the scientists who collect the data. A presentation of the results will take place back in Cambridge, MA at the “Data Science Symposium” at Harvard’s SEAS (24 Jan 2014).

Eligibility: Senior undergraduates and graduates Chilean students as well as graduate degree students at Harvard’s School of Engineering and Applied Sciences (SEAS) are invited to apply.

A background in astronomy is not required, but students must have experience in at least one of the following: programming, statistics, and/or mathematics.

Application: Those students interested in applying, should send their CV and write to: Francisco Forster <francisco.forster@gmail.com>

Application deadline: 12:00noon Friday 6 December 2013