

Service-Learning Option Overview

In this class, you have the option of replacing the second midterm with a service-learning project with *Habitat for Humanity*. This project is intended to increase your understanding of probability and statistics in the real world, while also allowing us to get out and have some fun in the community.

What is Service Learning

Service learning is “a form of experiential education in which students engage in activities that address human and community needs together with structured opportunities intentionally designed to promote student learning”. In this class, service learning will involve going out and volunteering with Flatirons Habitat for Humanity at a site in Jamestown, writing a short report that investigates the statistics of some aspect of the construction and volunteer experience, and presenting and discussing these activities. The home that we will be working on was destroyed by the floods in September, 2013 and is being rebuilt.

Option & How to Sign Up

Up to 25 students may choose to participate in this option. This is a trial year, so I want to see how it will go. To sign up, go to D2L by Thursday February 12 at 5 pm.

Tasks

If you sign up to participate in the Service Learning Option you are agreeing to:

- a Attend a **short introduction session** (30 mins) describing the project and Habitat for Humanity. The date and time of the introductory session are TBD.
- b **Participate in one build day** with Habitat for Humanity. The two build days reserved for our class are *Friday February 27* and *Friday March 13*. Build days last from 9 am to 5 pm.
- c **Write a 5 page report** about an application of probability of statistics related to Flatirons Habitat for Humanity and construction. Some possible examples:
 - investigation of data related to volunteer rates at different Habitat for Humanity affiliates and factors that contribute to greater volunteer participation at some locations than others
 - investigation of data for material properties for one or more construction materials used on site
 - data-based investigation of flood damage and flood occurrence in the Jamestown area in relation to the September, 2013 floods.

The topic is up to you! Just be sure to briefly discuss with the instructors before you get started. A handout detailing the requirements for the report will be provided next week. The report will be due the day of the second midterm: Tuesday April 7. Reports may be submitted by yourself or in groups of 2.

- d **Participate in a short group presentation** on Tuesday April 7. Those who are doing the service learning option will not take the second midterm. Instead, we will meet separately at the same time and discuss our experiences.

Grading

You will be graded based on the quality of your report and group presentation and your participation in the build day and other discussions. This grade will be in lieu of the second midterm exam.