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Summer 2016 COURSE DEVELOPMENT GRANT progress report

NAME: Min-Lin Lo
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DATE SUBMITTED: July 27, 2016

Title of Grant Award: Course Development Grant--Summer 2016

Project Goal: Design and employ projects that make statistics alive to enhance students' study.

Scheduled to Implement on: Fall 2016

Brief Description of the Project:

The main goal of this project is make statistics concepts more relevant to students' daily life and their interests and students will see the connection between the abstract concepts they learn in class and how it is used in real life.

PROGRESS REPORT:

According to the timeline included in my proposal,

- I've read resources available online and what I collected from selected speakers of statistics sessions at the 2016 Joint Math Meetings I attended this January.
- I planned in-class activities that would enhance students' understanding of certain concepts that includes, but not limited to, using *PollEverywhere* to collect in class student data in real time, using popcorn to demonstrate normal distribution, have students using chopsticks to pick up M&Ms to collect data (on number of M&Ms picked up during a fixed time period for each student).
- Designed assignments that make statistics concepts more relevant to students' daily life and their interests (See attached sample project assignments and list of projects in the attached syllabus).