**ECE 143 Final Project**

**UCSD Summer Session Analytics**

**Team 6: Albert Tan, Alex Ng, Derek Lee, Yan Deng**

1. **Topic**

Our project will explore the differences in difficulty between UCSD summer courses and their non-summer session counterparts. First scraping and then performing statistical inference on CAPE, we will quantitatively determine whether summer courses are easier, based on evaluation survey factors such as: GPA, course difficulty, amount of time spent studying, attendance rates, and professor availability outside of class.

1. **Interesting/important/relevant**

* Directly involves UCSD
* Directly reflects past student experiences taking the course and their performance, giving prospective students insights on their mac decision
* Opportunity for UCSD to ensure uniform distributions of grades and class quality between non-summer and summer courses
* A way for students who are aiming for graduate schools to maintain a high gpa or have an easier time getting research with professors
* Gives students an opportunity to assess whether summer session is worth the price per unit hike and extra cost in tuition

1. **What is currently known about this topic**

* There is data from CAPE.
* There’s been no formal analysis done on this topic; however, speculation among the student body is that summer courses are easier than non-summer courses.

1. **what is the anticipated impact of this work**

If there is a bias between summer and non-summer courses, UCSD would need to look into methods to equalize the success of students in the summer session. Possible change in price of the summer courses to reflect a new difficulty.

1. **and how will work be accomplished (who will do what and by when).**

* Scraping and Cleaning the Data: Albert and Derek

Anticipated Completion Time: May 18, 2018

* Analysis and Statistics: Alex

Anticipated Completion Time: May 25, 2018

* Visualization: Yan

Anticipated Completion Time: June 1, 2018

* Project Completion by Presentation Time