



2017 Case Competition Info Session

February 21, 2017
3:00 pm
SSMS 1303

AGENDA

What is a Case Study

Why you want to participate

2017 Society of Actuaries Student Case Study Challenge

Purpose

Structure & Deadlines

The 2017 Case and 2016 Case

Prizes

UC Berkeley's Cal Actuarial League (CAL) Case Competition

Structure & Deadlines

Prizes

Sample past cases

Steps to complete now

What is a Case Study?



An excellent opportunity for students to:

- Tackle analytical business problems that professional actuaries face

- Network with professionals and other aspiring actuaries

Usually given background info and an Excel Spreadsheet

Present to panel of judges

Why you want to participate

Intellectually

- Get exposed to real actuarial scenarios
- Interact with real actuarial data
- Practice utilizing the tools actuaries use

Socially

- Bonding with other UCSB Actuarial Science students
- Networking with career professionals
- Field Trip!
- Eternal glory

Personally

- Resume booster
- Job offers
- Prize \$\$\$



SOA Case Study Challenge

Purpose

Provide a forum for students to:

- Showcase knowledge

- Develop new/ creative research ideas

- Enhance their exposure to the profession

Opportunity for students to apply their actuarial skills on a real world problem

Participants from the entire world



SOA Case Study Challenge

Structure

Given:

Statement of the problem

Research objectives

Excel Data Spreadsheet

Asked to submit:

R1: Written Submission

Written Narrative, Excel Spreadsheet, Appendix

R2: Video conference with judges

Teams of 2-5 students

No limit on the number of teams from UCSB

Teams encouraged to consult with a faculty advisor



SOA Case Study Challenge

Deadlines

Friday, March 3, 2017-

Intent to Submit to research@soa.org

<https://soa.wufoo.com/forms/p1nsqawp18116jz/>

Friday, April 7, 2017- 11:59 PM CDT

Deadline for Written Submission

Team will be notified if they make it to final round

Friday, April 28th, 2017-

Deadline for the audio and or/video conference

Friday, May 5, 2017-

Notification of winners

May 2017 - October 2017

Presentation at SOA meeting



SOA Case Study Challenge

The 2017 Case and 2016 Case

2017

Case focuses on the coastal development of an island

Case details and Excel Spreadsheet can be found:

<https://www.soa.org/Research/2017-student-case-study.aspx>

2016

Case focused on quantifying healthcare industry adverse disruptors

Case details, Excel Spreadsheet, winning submissions:

<https://www.soa.org/Research/student-case-study.aspx>



SOA Case Study Challenge

Prizes

Prizes and Grants

Max 3 Teams selected as winners

Each member of winning teams receive \$500

Winning Teams' universities receive grant

1st place- \$5000

2nd place- \$3000

3rd place- \$2000



10



8th annual CAL Case Competition

CAL Case Competition

Opportunity for students to apply their actuarial skills on a real world problem

Purpose

Participants from UC Berkeley, UC Davis, UCLA, UCSB

Last year 5 teams from UC Davis and UCLA participated

Of non-Berkeley teams: one UCLA team made it to final round and won the grand prize



CAL Case Competition

Structure

Given:

3 questions and Excel Data Spreadsheet for each

One Health Q

One Property and Casualty Q

One Retirement Q

Asked to submit:

R1: Written Submission (emailed)

7 page Written report answering all Questions

Excel Spreadsheet

R2: Live presentation at UC Berkeley in front of a panel of judges



CAL Case Competition

Structure Cont.

Teams consist of 3-4 students

No limit on the number of teams from UCSB for R1

3 Finalists for each track (H, P&C, R) for R2

Case questions sponsored by Aon Hewitt, Beam Dental, Delta Dental, Mercer, and CSAA Insurance Group.



CAL Case Competition

Timeline

February 28, 2017-

Case Competition introduction presentation emailed

March 4, 2017-

Team registration deadline & Case package released

March 24, 2017, 11:59 PM-

Case written report due

April 1, 2017-

Finalists notified (Judging by CAL Case Comp Team)

April 12, 2017-

Final Presentation rehearsal (receive feedback)

April 14, 2017-

Final Presentation emailed (no further edits beyond here)

April 16, 2017-

15 min Final presentation/15 min Q&A

Networking Session



CAL Case Competition

2016 Cases

Property & Casualty

P&C Question:

http://actuaryclub.pstat.ucsb.edu/wp-content/uploads/2012/04/CALCaseComp2016_PC.pdf

P&C Data with Solutions:

http://actuaryclub.pstat.ucsb.edu/wp-content/uploads/2012/04/CALCaseComp2016_PC_DatawSoln.xlsx

Health & Benefits

H&B Question and Solution:

<http://actuaryclub.pstat.ucsb.edu/wp-content/uploads/2012/04/CAL-Health-and-Benefit-Question.pdf>

<http://actuaryclub.pstat.ucsb.edu/wp-content/uploads/2012/04/CAL-Health-Solution.pdf>

H&B Data and Solutions:

<http://actuaryclub.pstat.ucsb.edu/wp-content/uploads/2012/04/CAL-Health-Case-Competition-Data.xls>

<http://actuaryclub.pstat.ucsb.edu/wp-content/uploads/2012/04/CAL-Health-Data-Solution-Final.xlsx>

Retirement

Retirement Question and Solution

<http://actuaryclub.pstat.ucsb.edu/wp-content/uploads/2012/04/CAL-Retirement-Question.pdf>

<http://actuaryclub.pstat.ucsb.edu/wp-content/uploads/2012/04/CAL-Retirement-Solution.pdf>

Retirement Data and Solutions:

<http://actuaryclub.pstat.ucsb.edu/wp-content/uploads/2012/04/Retirement-Data.xlsx>

<http://actuaryclub.pstat.ucsb.edu/wp-content/uploads/2012/04/Retirement-Solution-Draft-Excel.xlsx>



CAL Case Competition

Prizes

Prizes

\$100 award for the winning team in each track

Prize for the best presenter in each track

Opportunities

Judges for final round are from:

CSAA, Willis Towers Watson, Mercer, Aon, Nicolay, Delta Dental, Beam Dental, Oliver Wyman, Marsh, etc.

And they often select participants for interns or entry level hires

Steps to complete now



Today, 2/21

Sign up sheet

Name, email, facebook name

Which case(s) you want to participate in

Do you want us to connect you with others or do you have a team in mind?

You will be added to AA Case Study Group

Steps to complete now



CAL Case Comp

Complete google form by 2/28: <http://goo.gl/forms/JqrrDr72ww>

Post on facebook Case Study Section your teammates by March 3rd

Let us know on FB on 3/1 if you're short members

Commit to a meeting schedule 3/4 - 4/16 with members by 3/9!

Mandatory meeting Friday, 3/10, 3:00 pm

At least one member from your team must attend

Follow timeline on slide 15

SOA Case Challenge

Find an advisor by 3/1

Follow timeline on slide 7



THANKS

Any questions?

Further questions can be addressed:

- AA Case Study FB Group
- aa.ucsb@gmail.com