

Actuarial Tracks

UCEN SB Mission Room

Friday, 10/28/16

3:00 - 4:30 pm



Overview

SOA vs. CAS
tracks/practice areas
consulting vs. insurance

Actuarial Societies



Life: Are you interested in life and health, the well being of people and how you can invest their money?



P&C: Are you interested in becoming an expert about how people own, use, and insure their autos and homes?

How do they operate?

Life: Companies make money by holding the policyholder's money and investing it.

P&C: Companies make money by who they write.

Factors?

Life: A person dies once and the amount of liability is known, the face amount of the policy

Health & P&C: the frequency and severity of a claim is unknown

SOA “Specialty Tracks”

Retirement Benefits

Group and **Health**

Individual **Life** and Annuities

General Insurance

Corporate Finance and Enterprise Risk
Management (**CFE**)

Quantitative Finance and Investment (**QFI**)

CAS “Practice Areas”

Enterprise Risk Management

Predictive Modeling

Ratemaking

Reserving



Lecturer at UCSB

Over 25 yrs of P/C financial analysis experience
commercial and personal lines reserving and pricing
financial and capital modeling, planning, and management reporting

6 years as CNA's senior vice president and signing actuary
responsible for \$17 billion of property/casualty reserves, including
standard commercial lines, specialty lines, and discontinued operations.

Served as executive vice president and chief finance officer of XL Insurance
Europe and Asia.

Fellow of both the CAS and the SOA

Served on the CAS Committee on Professionalism Education, the CAS
Committee on Reserves, the AAA IFRS Task Force, the AAA Opinion Seminar
Committee, the SOA Exam Committee, and the SOA Strategic Planning Task
Force.

Janet Duncan



Enterprise Risk Management

Assess, control, finance, monitor risks from all sources to increase company's short and long term value to its stakeholders.

Predictive Modeling

Use data to forecast future events.

Captures relationships between explanatory variables and predicted variables from past occurrences to predict future outcomes

Ratemaking

Establish rates used in insurance.

Consider marketing goals, competition and legal restrictions and how they can affect future costs.

Reserving

Evaluate, review, and estimate P&C unpaid claims within insurance, reinsurance, self-insurance, and other risk transfer or funding mechanisms.

Where are the jobs?

Life

More jobs, openings, and recruiters

The members of SOA outnumber members of the CAS by more than 5x

P&C

Casualty actuarial employment is growing fast

Going into financial work

Consulting vs. Insurance

Day-to-day job

Insurance

Generally more relaxed speed

Interactions primarily with other departments or members of your own department

Rotation programs

Get to see a project from end-to-end

Consulting

Work pace is quicker

Face-to-face client interaction

Working on multiple different client work; need to meet their expectations and get deliverables on time

Pass along your work for review

Flexibility and work-life balance

Flexibility:

Consulting: Daily hours depend on current work load

Insurance: Expected to be in the office for eight hours daily

Work-Life Balance:

Consulting: responsible to find time to prepare for exams

Insurance: Get more support (time-wise) for exams, less likely to work overtime



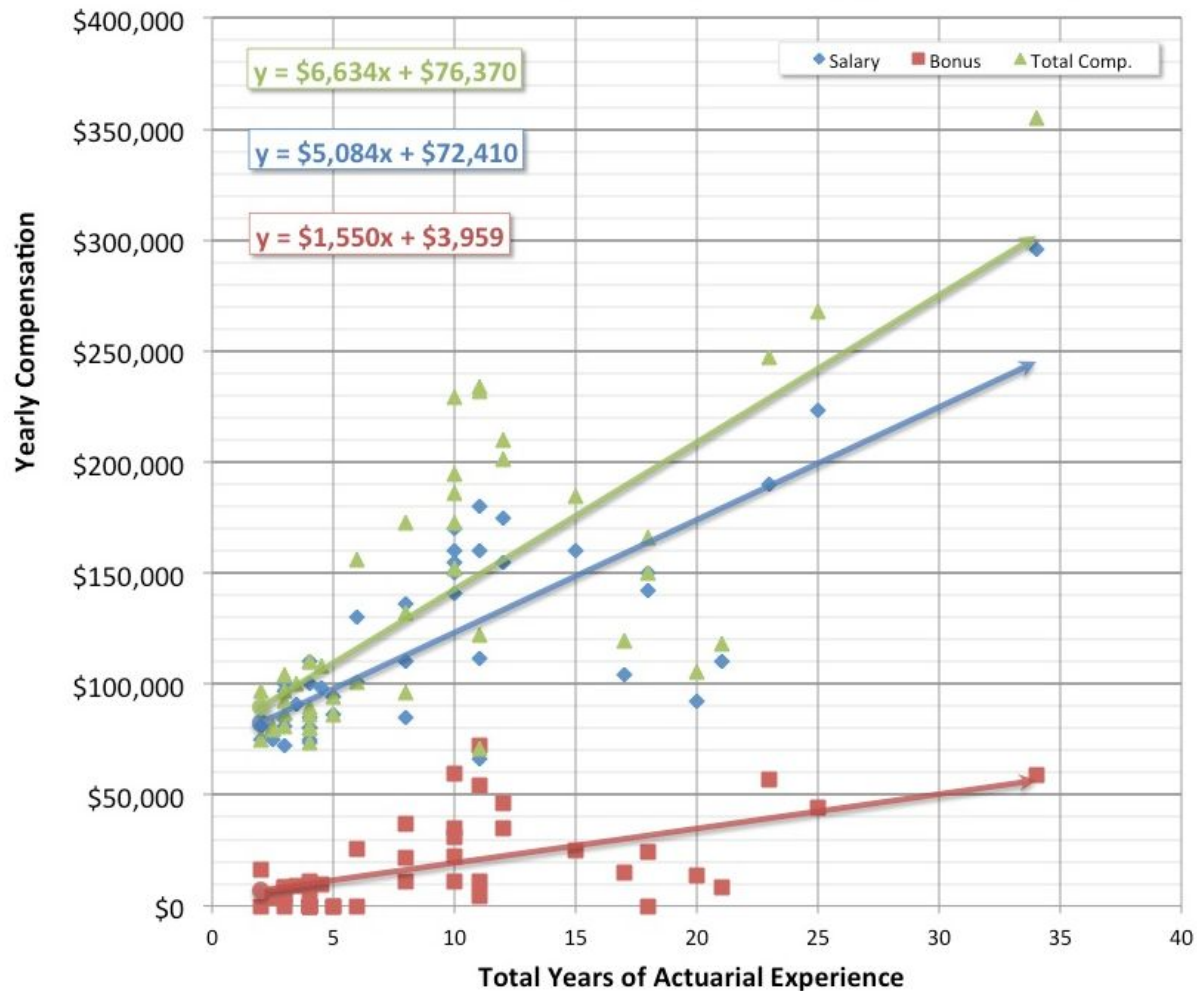
Compensation by Track

Casualty Actuary Salary Survey by State

A passing grade for exams **1, 2, 3F, 4, S, 5 and 6** each equal 1 exam.

Casualty	< 1 yr	1-3 yrs	3-5 yrs	5-7 yrs	7-10 yrs	10-15 yrs*	15-20 yrs*	20+ yrs*
1 Exam	46-65	52-68	55-74					
2 Exams	50-71	52-77	55-81	60-85	69-100			
3 Exams	54-76	60-80	66-94	68-96	73-103			
4 Exams	56-77	61-88	66-98	74-105	76-118	94-141		
5 Exams		63-95	70-107	79-118	85-132	100-159		
6 Exams		70-97	76-112	83-126	95-151	102-167		
7 Exams		72-99	83-118	86-130	96-156	107-172		
ACAS		82-112	87-131	90-142	97-166	110-189	124-273	143-352+
FCAS			104-158	109-190	120-235	141-361	156-447	177-534+

2016 Casualty Salary Survey (California)

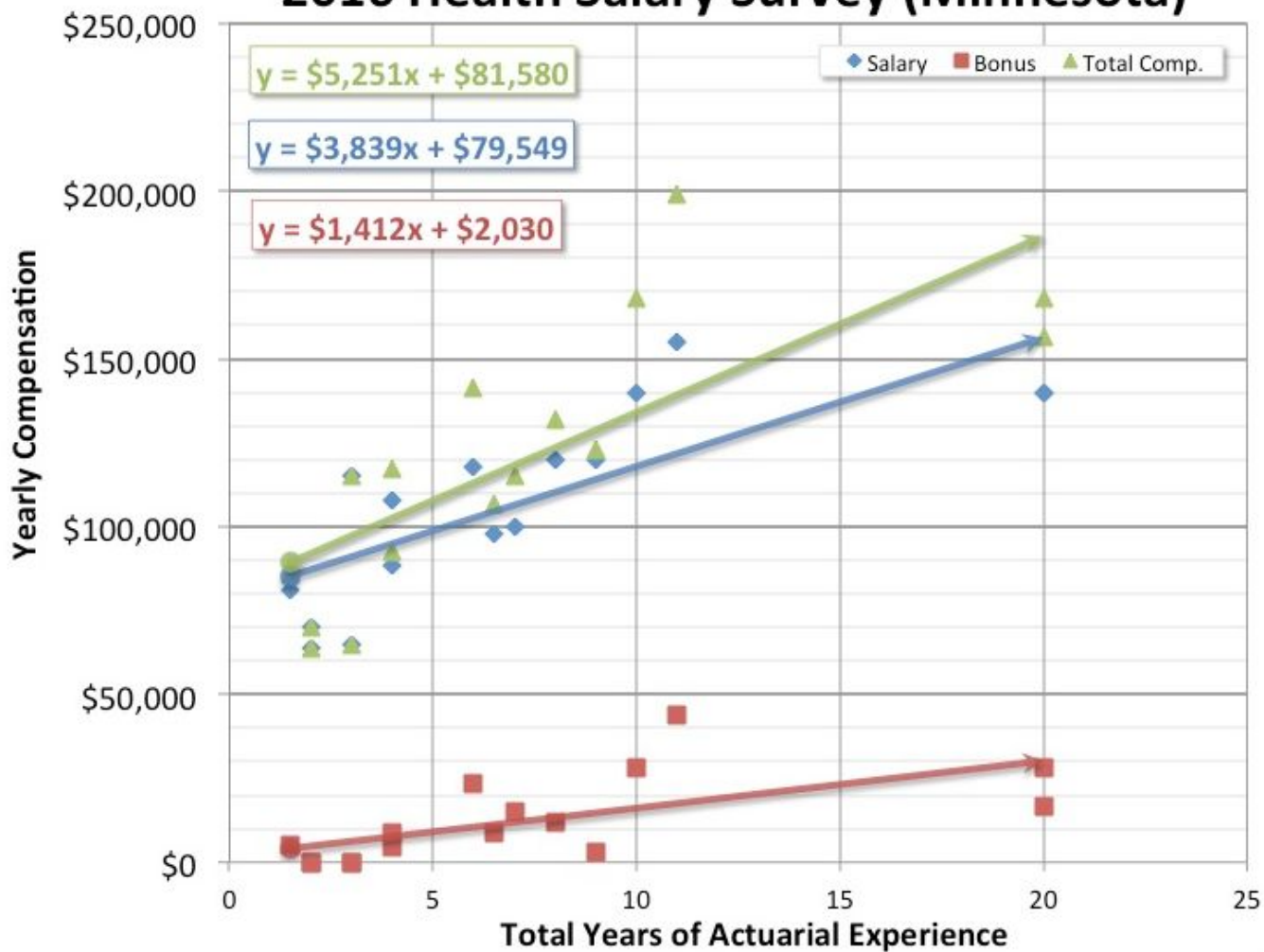


Health Actuary Salary Survey by State

A passing grade for exams **P, FM, MLC, MFE and C** each equal 1 exam.

Health	< 1 yr	1-3 yrs	3-5 yrs	5-7 yrs	7-10 yrs	10-15 yrs*	15-20 yrs*	20+yrs*
1 Exam	49-60	54-69	57-76					
2 Exams	54-66	55-76	61-80	65-89				
3 Exams	56-72	57-83	63-90	67-96				
4 Exams	58-74	61-89	65-99	73-107	75-115			
5 Exams		65-93	69-104	76-112	84-125			
ASA		74-105	77-122	85-134	94-150	104-190	110-239	140-267+
FSA			96-148	109-165	120-210	140-261	155-390	160-423+

2016 Health Salary Survey (Minnesota)

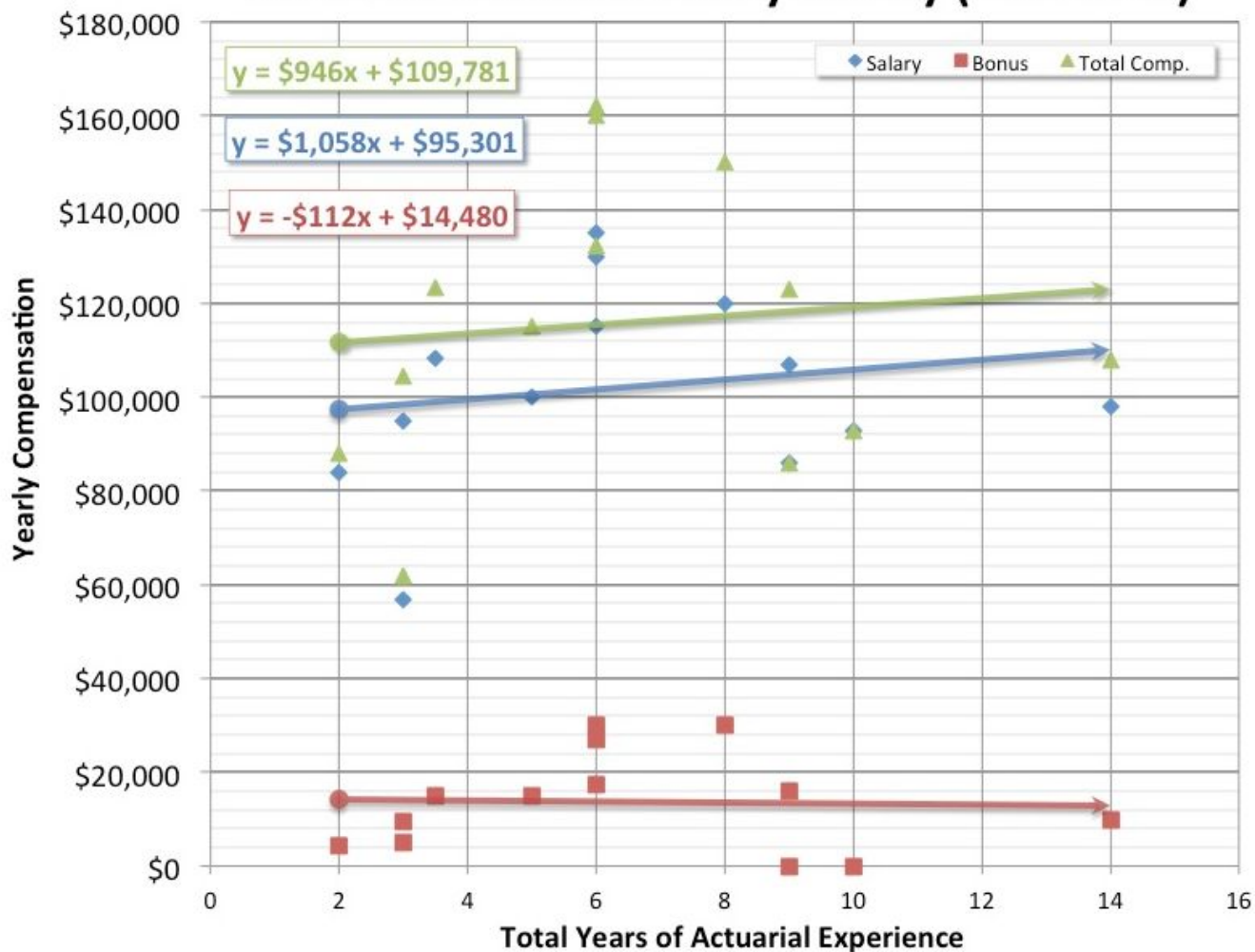


Life Actuary Salary Survey by State

A passing grade for exams **P, FM, MLC, MFE and C** each equal 1 exam.

Life	< 1 yr	1-3 yrs	3-5 yrs	5-7 yrs	7-10 yrs	10-15 yrs*	15-20 yrs*	20+ yrs*
1 Exam	51-61	55-70	56-74					
2 Exams	51-64	56-77	58-82	63-88				
3 Exams	55-69	58-81	63-94	69-100				
4 Exams	57-76	64-89	68-99	74-102	76-117			
5 Exams		67-99	69-109	76-114	82-128			
ASA		74-115	76-125	80-132	89-151	106-188	109-224	123-258+
FSA			98-152	110-182	118-207	128-275	138-364	150-457+

2016 Life Actuarial Salary Survey (California)



Upcoming Events

Basketball (Saturday, 10/29)

Case Study Section (Not meeting Sunday, next meeting: Tuesday 11/1)

Zodo's Bowling (Wednesday, 11/2)

Excel Workshop (Thursday, 11/10)