

Considering a Career as an Actuary at Nationwide Insurance – Property & Casualty



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Overview



- ▣ Why work at Nationwide?
- ▣ What skills are needed to be an Actuary?
- ▣ What do Actuaries do?
- ▣ How can I prepare for an actuarial career?
- ▣ What can I expect as an intern/analyst at Nationwide?



Why Work at Nationwide?



- ▣ Financially Strong, Stable Company
- ▣ Mutual Heritage and Community Involvement
- ▣ Diversified Product Offerings



Why Work at Nationwide?



- ▣ We embrace
 - ▣ Personality; a Passion for Action; Unique Perspectives, Different Viewpoints, Experiences, Skills and Cultural Backgrounds.
- ▣ Vision of Success at Nationwide
 - ▣ Diversity and Inclusion are a way of life at Nationwide where ...associates' voices are heard and valued and ...our customers know Nationwide is *On Your Side*®



Actuarial Roles at Nationwide – P&C



- ▣ Personal Lines / PowerSports Pricing
- ▣ Finance / Reserving
- ▣ Commercial Lines / Agribusiness Pricing
- ▣ Strategy / Performance Management
- ▣ Product Management / Development
- ▣ Research & Analytics

What Skills are Needed to Be an Actuary?



- ▣ Solid mathematical background
- ▣ Strong computer skills
- ▣ Written and oral communication skills
- ▣ Keen analytical and problem solving skills



Why Be an Actuary?



- ▣ Consistently one of the top ranked jobs in sources such as *US News and World Report*, *The Jobs Rated Almanac* and *CNN Money*.
- ▣ Experienced fellows can earn from \$150,000 to \$250,000 annually
- ▣ Entry level actuaries with 1 – 2 exams can earn \$58,000+ annually



What Do Actuaries Do?



- ▣ Conduct studies of insurance rate adequacy
- ▣ Estimate the amount of money to be set aside for insurance claims that have not been paid
- ▣ Participate in various aspects of corporate planning
- ▣ Calculate a fair price for a new insurance product
- ▣ Forecast the impact of catastrophes
- ▣ Implement and monitor investment programs

Pricing Example



BACKGROUND

- ABC Insurance Company insures 10,000 eighteen year old drivers.
- 3,000 of the 10,000 have accidents within a year.
- The average repair cost for each accident is \$500.

SOLVE

- How much should ABC charge each of the eighteen year olds for a one year car insurance policy?



Pricing Example



- Total premiums paid should equal the total estimated cost of the accidents.
- Total estimated cost of the accidents = $3,000 \times \$500 = \$1,500,000$
- Total premium paid = total cost of accidents
- Total premium paid = $\$1,500,000$
- Dollar amount of premium for each driver = $\$1,500,000 / 10,000 = \150

Pricing Example



BACKGROUND

- Assume 4,000 of the drivers are males and 6,000 are females.
- Assume 2,000 out of 3,000 of accidents will involve males, and the remaining 1,000 accidents will involve females.

QUESTION

- ▣ What premium should be charged for the males and the females? Should it be the same?

How to Prepare for an Actuarial Career



- ▣ Plan a course load in mathematics, statistics, and actuarial science
- ▣ Include business and computer courses to broaden your options
- ▣ Take courses to satisfy VEE requirements
- ▣ Look for internship opportunities
- ▣ Pass actuarial exams; most entry-level candidates today have passed 1 – 2 exams

What Can I Expect as an Nationwide P&C Intern?



- ▣ 12-week paid program
- ▣ On-the-job experience
- ▣ Corporate intern events
- ▣ Mentorship program
- ▣ Weekly opportunities to learn about other actuarial areas
- ▣ End of program presentation
- ▣ Taking resumes until September 24th

What Can I Expect as an Entry-Level Analyst?



- ▣ Cohesive, team-oriented work environment that supports actuarial students
- ▣ Training to help new analysts
- ▣ Exposure to various areas in the organization
- ▣ Benefits of being a Nationwide employee
- ▣ Competitive Actuarial Program
 - Paid study time
 - Paid exam costs and study material
 - Raises for passing exams

Questions



Nationwide®

