

精算師？！



# Agenda

- 自我介紹
- 精算師在哪工作？
- 精算師應具備能力？
- 何謂精算師？
- 我的最愛



# 自我介紹



# 精算師在哪工作？

- 壽險公司
- 產險公司
- 再保險公司
- 諮詢顧問公司
- 資產管理公司
- 退休金相關公司
- 政府部門
- 其他產業



# 精算師應具備能力?

## *Actuarial Control Cycle*

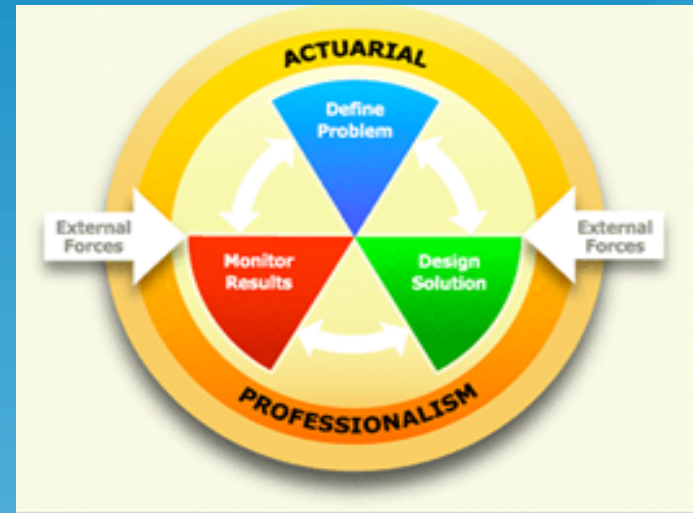


# 精算師應具備能力

## Define Problem

Factors to be considered:

- Professionalism
- External Forces
- Risks Embedded



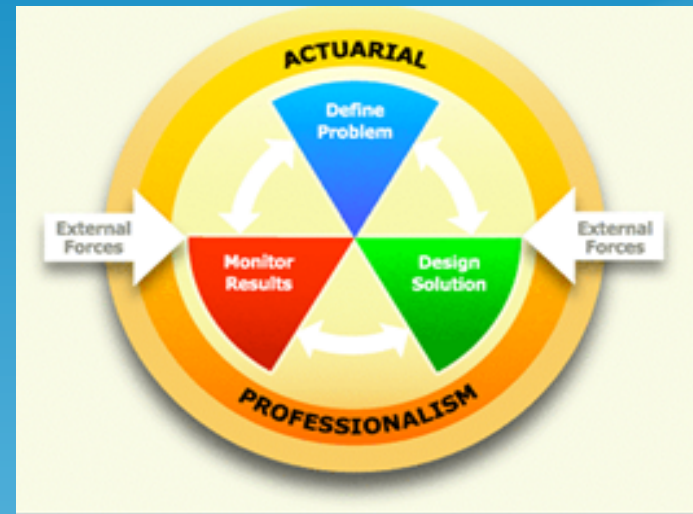
- ✓ Communication Skill
- ✓ Inter-personal Skill
- ✓ Able to understand the Context
- ✓ Multi-disciplined
- ✓ Continual Education

# 精算師應具備能力

## Design Solutions

Factors to be considered:

- Professionalism
- External Forces
- Risks Embedded
- The problem being defined



- ✓ Communication Skill
- ✓ Statistical, Probability, Economics, Stochastic and analytical techniques
- ✓ Coding Competence
- ✓ Combination of Mathematics and ART
- ✓ Process Control
- ✓ Continual Education
- ✓ Documentation

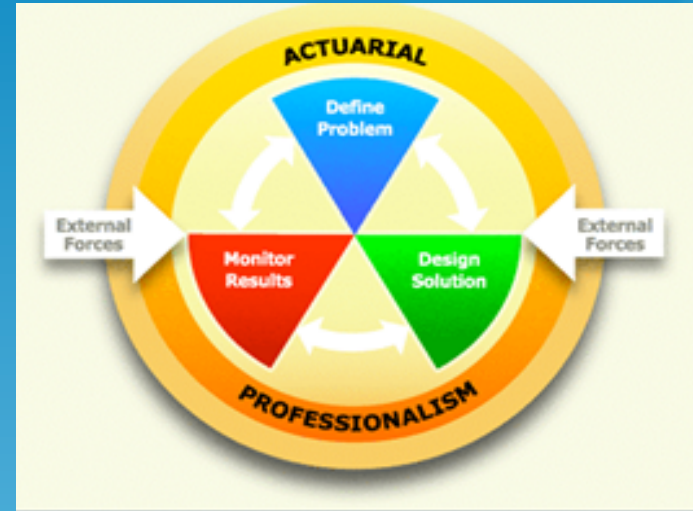
# 精算師應具備能力

## Monitor Results

Factors to be considered:

- Professionalism
- External Forces
- Risks Embedded
- Data Issue

- ✓ Skepticism
- ✓ Communication Skill
- ✓ Statistical, Probability, Economics and analytical techniques
- ✓ Combination of Mathematics and ART
- ✓ Multi-disciplined
- ✓ Data Collecting and Control Process
- ✓ Continual Education
- ✓ Documentation
- ✓ Analysis of the sources of deviations from expected



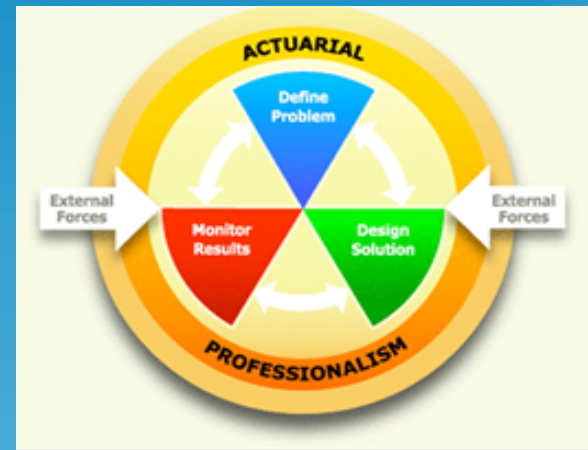


# 精算師應具備能力

## External Forces

Categories to be considered:

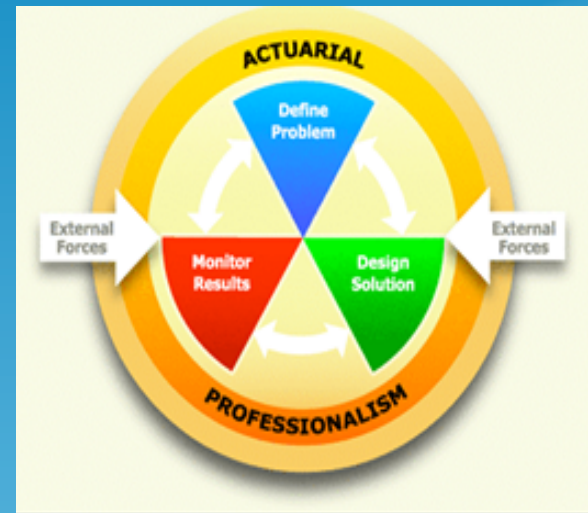
- Social/Cultural Values
  - Demographics
  - Governmental Influences
  - Economic/business environment
  - Physical environment
- 
- ✓ Communication Skill
  - ✓ Statistical, Probability, Economics and analytical techniques
  - ✓ Multi-disciplined
  - ✓ Continual Education
  - ✓ Understanding of the interest of potential stakeholders



# 精算師應具備能力

## Actuarial Professionalism

- ✓ Integrity
- ✓ Code of Conduct
- ✓ Actuarial Standards of Practice



# 何謂精算師？

英國：

<http://www.actuaries.org.uk/becoming-actuary/pages/what-actuary>

美國：

<http://www.soa.org/about/about-what-is-an-actuary.aspx>

YouTube：

<https://www.youtube.com/watch?v=qTsMRsR8ABc>

# 我的最愛

- 澳洲精算協會: <http://www.actuaries.asn.au/>
- 澳洲保險監理機關: <http://www.apra.gov.au/Pages/default.aspx>
- Reserve Bank of Australia: <http://www.rba.gov.au/>
- UNSW: <http://www.unsw.edu.au/>
- MACQUARIE University: <http://mq.edu.au/>
- 美國壽險精算協會: <http://www.soa.org/>
- 美國產險精算協會: <https://www.casact.org/>
- 美國保險監理機構: <http://www.naic.org/>
- 國際精算協會: <http://www.actuaries.org/>
- 英國精算師協會: <http://www.actuaries.org.uk/>
- 歐盟保險及退休金監理機關: <https://eiopa.europa.eu/>

***Any  
Question?***

