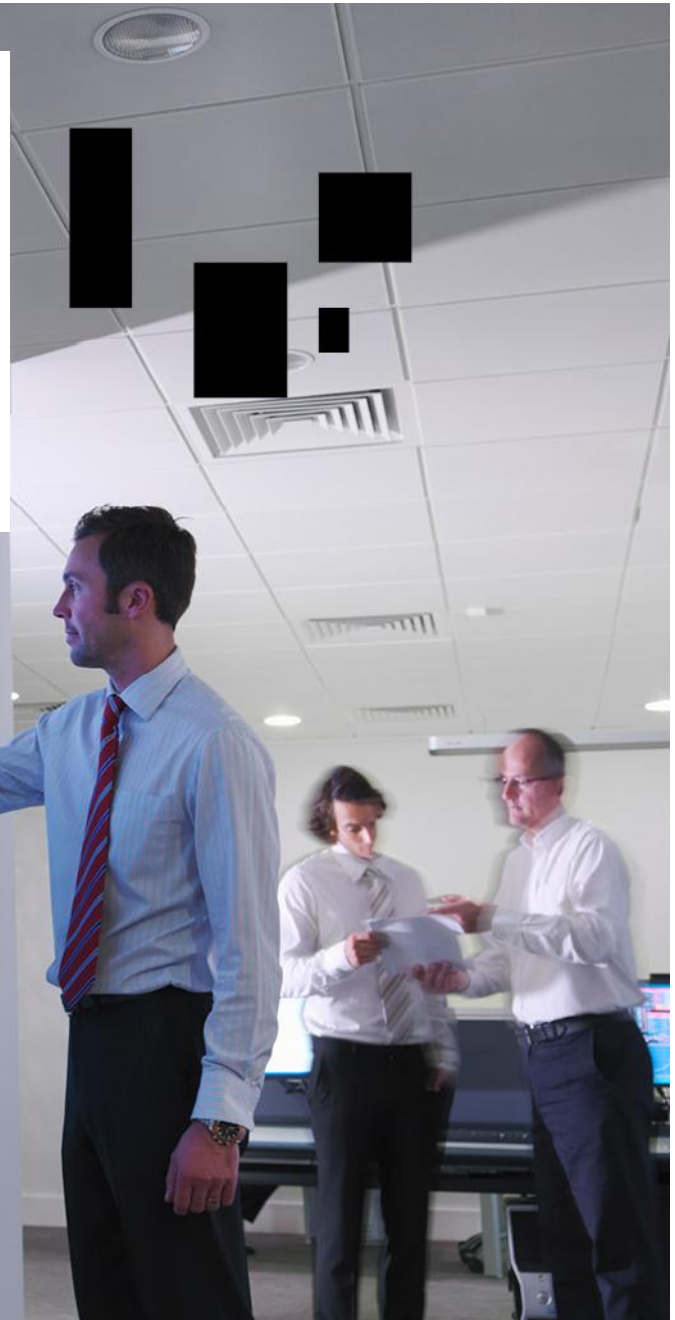


Opportunities in wider fields – outside traditional areas

28 October 2017

By Abhishek Chadha



Actuaries like numbers!

9702

Members of Institute of Actuaries, India as at 31 March 2017

over

9100

students other than associates

~35%

Members have more than 11 subjects remaining before qualification

- Not all members are residing in India currently



350

Fellows and Honorary Fellows

- Where are members of the profession being employed?

2000

Appear in ACET!

Traditional areas for Actuaries in India

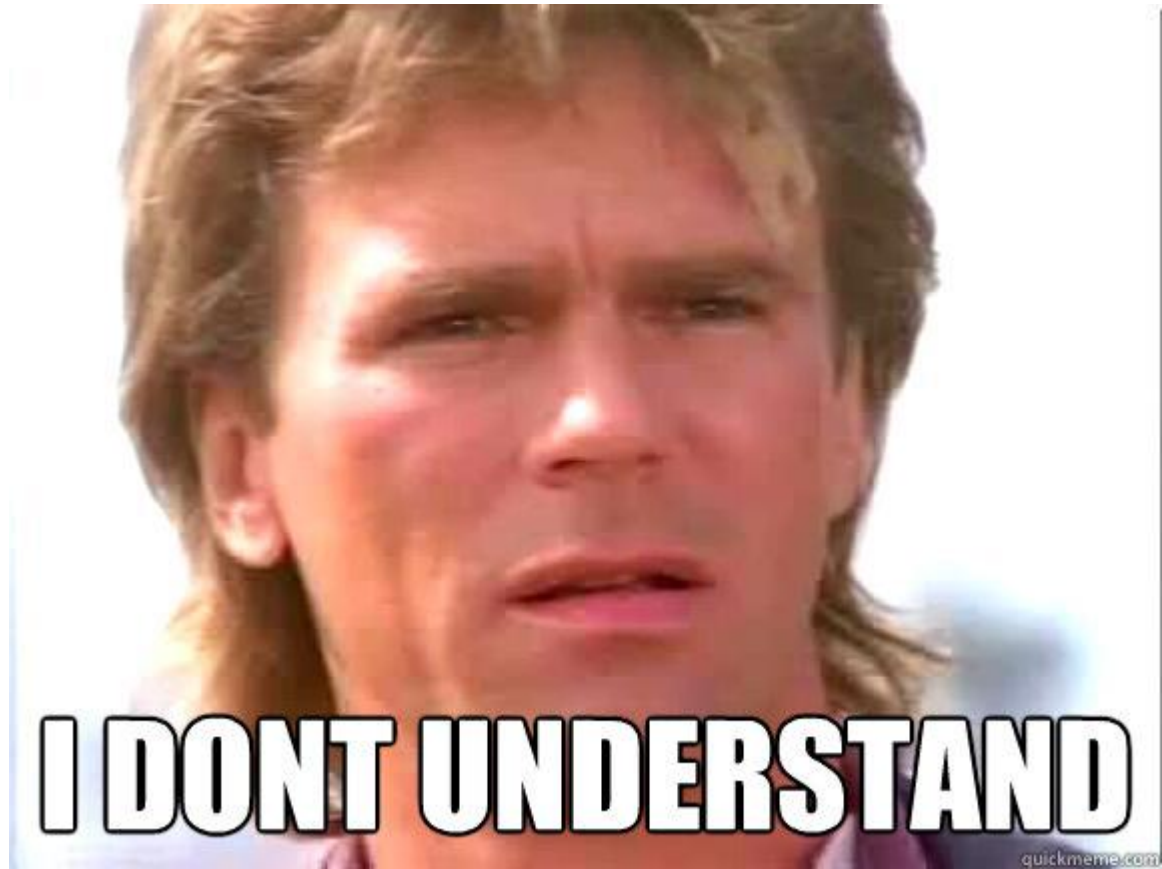
Life insurance

Non-Life insurance (Property & Casualty)

Health Insurance

Reinsurance

I am an Actuary 😊



What skills does an Actuary typically possess?

- Analytical skills – statistics, mathematics
- Communication skills (oral and written)
- Tech-friendly (deal with spreadsheets, software, cloud computing etc.)
- Understanding of business, finance and economics
- Aptitude for numbers
- Reasoning
- Yearn to learn

Which are the non-traditional areas?

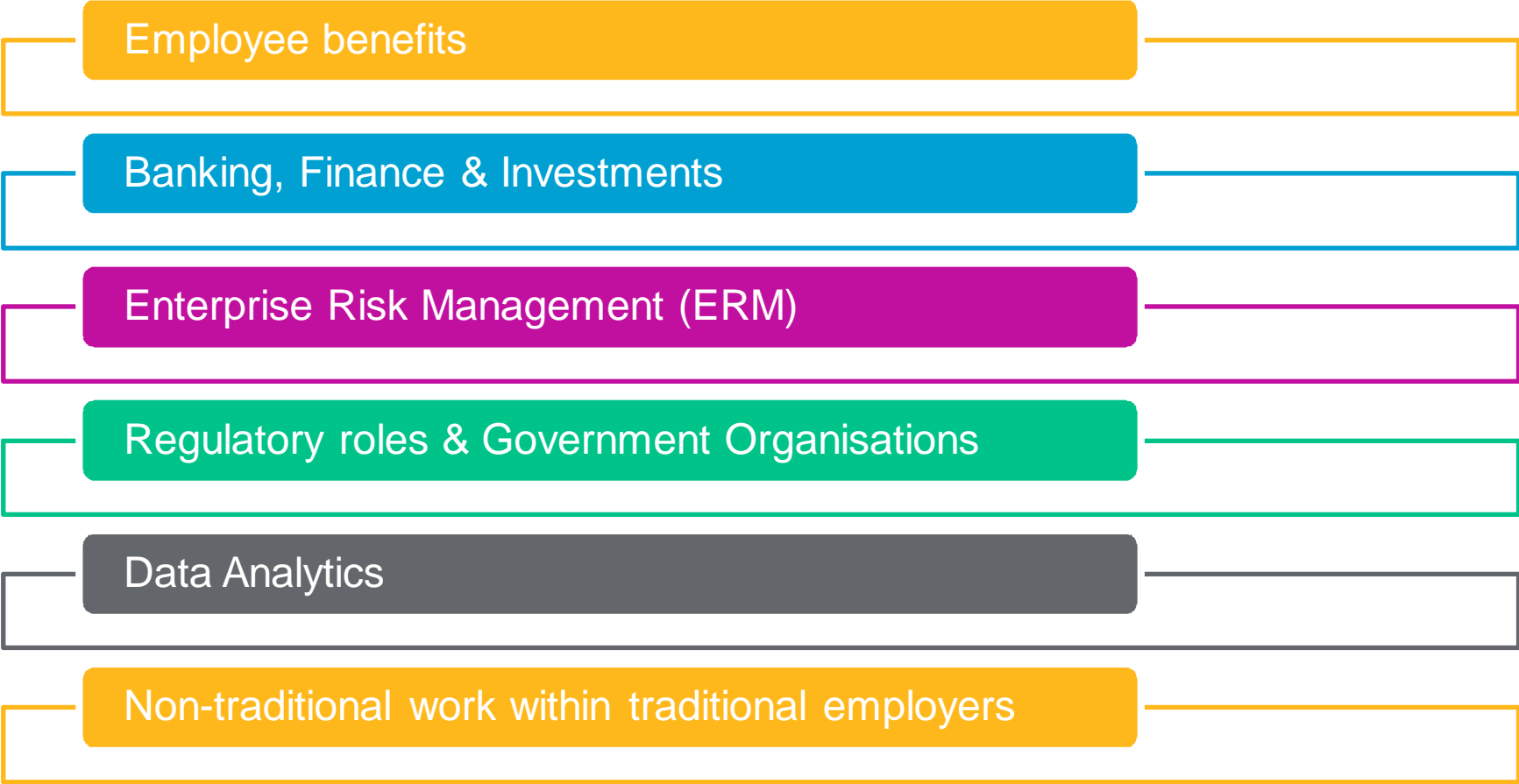
“The analytics skill set is one of the core sub-disciplines of the actuarial profession”

“ Wherever this is risk, there are opportunities for actuaries”

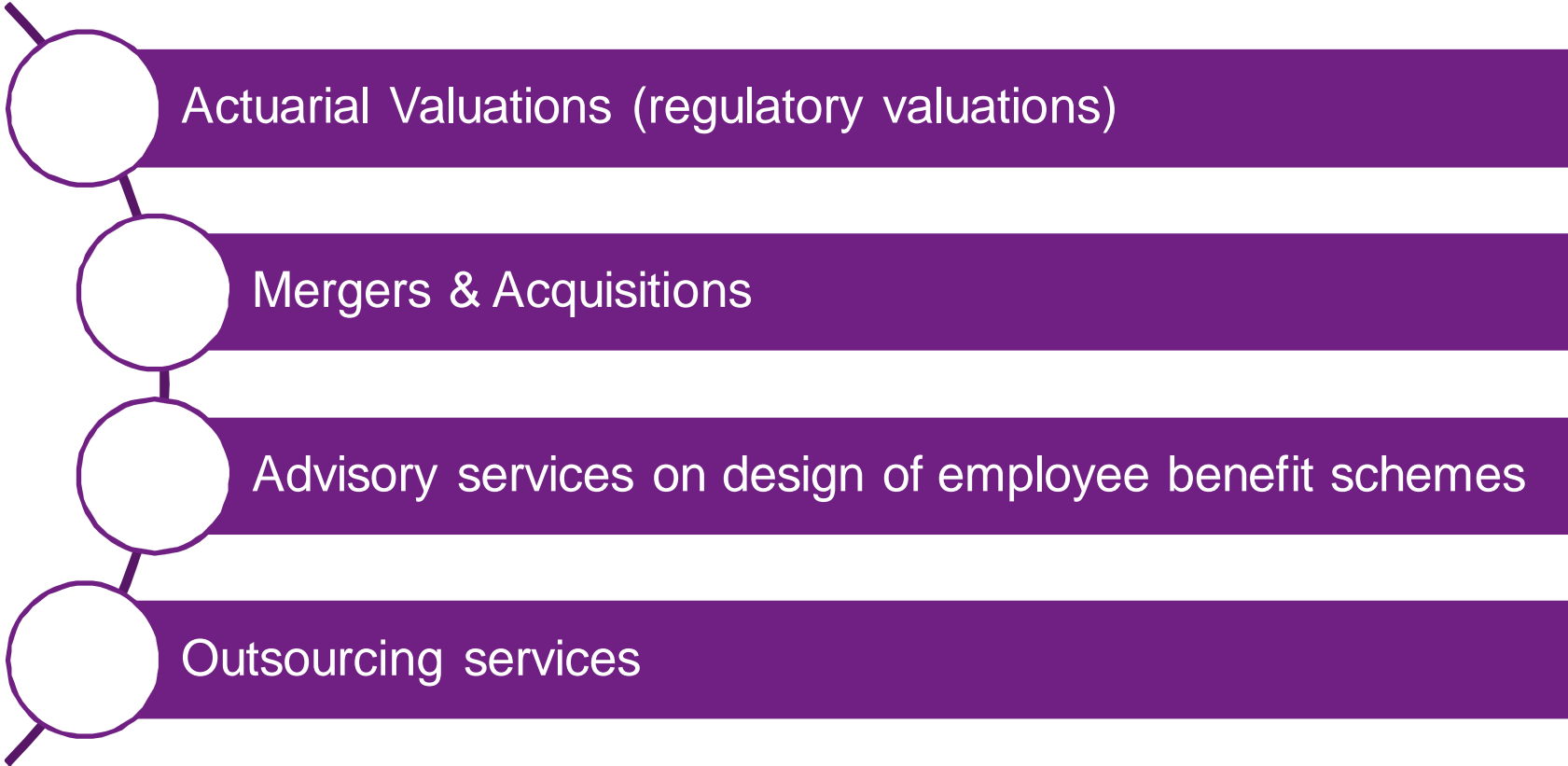
“The core actuarial skill set is highly relevant in this new world. The capacity to aggregate and analyse different volumes of information effectively is fast becoming the basis of competition for business”

“An Actuary uses mathematics as a tool to analyse data and transform this into viable information, in conjunction with the knowledge of the internal and external factors that can affect a range of commercial practices including economical and government influences. Thus, the profession can be moulded to be useful into a range of different situations, departments and industries”

Some non-traditional areas for Actuaries in India



Employee benefits



Banking, Finance & Investments

- Advice on investments and capital structures (for e.g. for pension funds)
- Product designing for insurance-related investment products (for e.g. securitization, catastrophe bonds)
- Equity analysts
- Asset-liability matching
- Credit risk, market risk analysis
- Research



Enterprise Risk Management

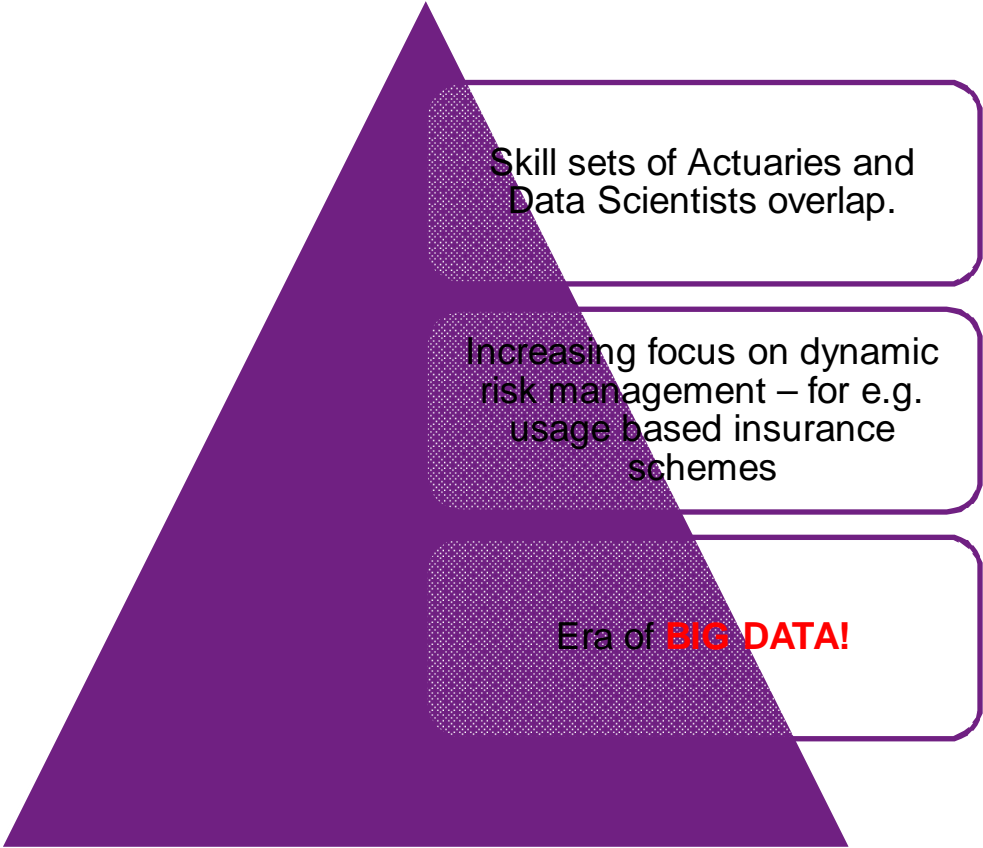
- ERM cycle – identify, measure, action, monitor
- Calibration of risk events
- Credit risk, market risk
- Operational risk
- Skills transferable to non-insurance sectors



Regulatory roles & Government Organisations

- Insurance Regulatory and Development Authority of India (IRDAI)
- Pension Fund Regulatory and Development Authority (PFRDA)
- Other regions - Social Security Administration (SSA), Government Actuary Department (GAD), Bank of England (BoE)
- Policy making – Government of India, Ministry of Finance, Health Ministry, Planning Division.

Data Analytics



Non-traditional work within traditional employers

Non-traditional work / upcoming areas of work

- Development of software / actuarial systems
- Actuarial audits
- Project management of super-speciality projects
- Long-term care products
- Research & academics

Initiatives by Actuarial Profession

- IAI has constituted a 4 member Wider Fields Committee, IFoA in the UK also had a similar working group.
- IAI has launched an IAI Job Portal
- IAI is taking initiatives to educate potential employers about how actuaries can add values to their business.
- There is a need to take such initiatives and create more awareness about the profession such that actuaries are able to work in wider areas / industries.
 - For e.g. online CPD could be made available which is useful in educating actuaries about other industries - e.g. how an actuary can add value in a bank, how a bank functions etc.
 - Actuary's already employed in non-traditional industries can further increase awareness of role of actuaries in these industries.

