

CURRICULUM VITAE



- Name** : Noriszura Ismail
- Designation** : Associate Professor, Actuarial Science Programme
- Qualifications** : 2003–2006, PhD (Statistics), Universiti Kebangsaan Malaysia
1991–1993, MSc (Actuarial Science), University of Iowa
1989–1991, BSc (Actuarial Science), University of Iowa
1987-1989, American Associate Degree (AAD)
- Professional Qualifications** : Society of Actuaries Papers (USA) 1994:
SOA100, SOA110, SOA120, SOA140, SOA165
- Awards Received** : Main Prize Group Research Award (researcher), Computational Mathematics Group, UKM, 2010
: Excellent Service Award, UKM, 2009
: Best Presenter, School of Mathematical Sciences, 6th Graduate Colloquium, UKM, 2006
: Best Presenter, School of Mathematical Sciences, 5th Graduate Colloquium, UKM, 2005
: Honorarium Certificate, Excellent Teaching Category, UKM, 1998
: Honorarium Certificate, Excellent Teaching Category, UKM, 1997
: Dean's List 1990, 1989, 1988
- Specialization** : **Actuarial Science**
: **Statistics**
- Areas of Research** : **Actuarial Modelling**
: **Statistical Modelling**

SELECTED JOURNALS

1. **Ismail, N.** & Anuar, A.A.A. 2011. Deductibles, policy limits and reinsurance: a case study in Malaysia. **Casualty Actuarial Society Forum**, Winter, Vol 2 (IN PRESS).
2. Zamani, H. & **Ismail, N.** 2011. Functional form for the generalized Poisson regression model. **Communication in Statistics – Theory and Methods** (IN PRESS).
3. Zamani, H. & **Ismail, N.** 2010. Negative binomial-Lindley distribution and its application. **Journal of Mathematics and Statistics**, 6(1), 4-9.
4. Zamani, H. & **Ismail, N.** 2010. Poisson-weighted exponential distribution and its application on claim count data. **Journal of Quality Measurement and Analysis**. 6(2), 57-65.
5. Resti, Y., **Ismail, N.** & Jaaman, S.H. 2010. Handling the dependence of claim severities with copula models. **Journal of Mathematics and Statistics**, 6(2), 136-142.
6. Resti, Y., **Ismail, N.** & Jaaman, S.H. 2010. Pemodelan klaim asuransi kendaraan bermotor dengan regresi ZAIG. **Statistika**, 10(2), 93-97.
7. Mohamed, M.A., Razali, A.M. & **Ismail, N.** 2010. Approximation of aggregate losses using simulation. **Journal of Mathematics and Statistics**, 6(3), 233-239.
8. Abdul Halim, N., Jaaman, S.H., **Ismail, N.** & Ahmad, R. 2010. Modified *Ijarah* Model. **International Journal of Physical Sciences**, 22(1), 261-266.
9. Abdul Halim, N., Jaaman, S.H., **Ismail, N.** & Ahmad, R. 2010. Crisis ability: Modified *Ijarah* Thumma Al-Bai' vs. Rule 78. **Statistika**, 10(2), 73-77.
10. **Ismail, N.** & Anuar, A.A.A. 2009. Insolvency probability in reinsurance treaty: a case study in Malaysia. **Perspective of Innovations, Economics and Business**, 3, 62-64.
11. **Ismail, N.** & Anuar, A.A.A. 2009. Deductibles and policy limits in health insurance: a case study in Malaysia. **Journal of Insurance and Risk Management: Pravartak**, 4(6), 42-58.
12. **Ismail, N.** & Jemain, A.A. 2009. Profit analysis and simulation in motor insurance. **International Research Journal of Finance and Economics**, 30, 45-57.
13. **Ismail, N.**, Abdul Karim, Z.I., Jaaman, S.H. & Majid, N. 2009. Frequency of admittance and probability of inpatient treatment: experience of Emergency Department, Hospital Universiti Kebangsaan Malaysia. **European Journal of Social Science**, 8(1), 76-87.
14. **Ismail, N.** & Jemain, A.A. 2009. Comparison of minimum bias and maximum likelihood methods for claim severity. **Casualty Actuarial Society Forum**, Winter, 243-275.
15. **Ismail, N.** & Jemain, A.A. 2008. A comparison of maximum likelihood methods for claim severity data. **Journal of Insurance and Risk Management: Pravartak**, 3(4), 20-29.

16. Majid, N., Jaaman, S.H., **Ismail, N.** & Mahmud, N. 2008. Analyzing the medical costs for motor vehicle accident: experience of Hospital Universiti Kebangsaan Malaysia. **ICFAI Journal of Risk and Insurance**, 5(3), 42-49.
17. **Ismail, N.** & Jemain, A.A. 2008. Construction of insurance scoring system using regression models. **Sains Malaysiana**, 37(4), 412-419.
18. Majid, N., Jaaman, S.H., **Ismail N.** & Shamsuddin, N.S. 2008. Anggaran kehilangan pendapatan akibat kematian pramatang pekerja. **Journal of Quality Measurement and Analysis**, 4(1), 195-202.
19. Pan, W.C., Jemain, A.A. & **Ismail, N.** 2008. Practice and pricing in non-life insurance: the Malaysian experience. **Journal of Quality Measurement and Analysis**, 4(1), 11-24.
20. **Ismail, N.** & Jemain, A.A. 2007. Handling overdispersion with Negative Binomial and Generalized Poisson regression models. **Casualty Actuarial Society Forum**, Winter, 103-158.
21. **Ismail, N.** & Jemain, A.A. 2007. Rating factors identification using claim frequency approach: the Malaysian experience. **ICFAI Journal of Applied Economics**, 6(2), 60-77.
22. **Ismail, N.** & Jemain, A.A. 2007. Statistical premium pricing for motor insurance: the Malaysian experience. **Journal of Quality Measurement and Analysis**, 3(1), 9-22.
23. Jaaman, S.H., **Ismail, N.** & Majid, N. 2007. Assessing risk and financial strength of general insurers in Malaysia. **Journal of Quality Measurement and Analysis**, 3(1), 65-74.
24. **Ismail, N.** & Jemain, A.A. 2006. A comparison of risk classification methods for claim severity data. **Journal of Modern Applied Statistical Methods**, 5(2), 513-528 (SCOPUS).
25. **Ismail, N.** & Jemain, A.A. 2005. Bridging minimum bias and maximum likelihood methods through weighted equation. **Casualty Actuarial Society Forum**, Spring, 367-394.
26. **Ismail, N.** & Jemain, A.A. 2005. Generalized Poisson regression: an alternative for risk classification. **Jurnal Teknologi**, 43(C), 39-54.
27. **Ismail, N.** & Jemain, A.A. 2004. Insurance risk classification with Negative Binomial distribution. **Statistika**, 4(2), 143-148.
28. **Ismail, N.**, Mohd Ali, K.A. & Chiew, A.C. 2004. Model bilangan tuntutan insurans dengan taburan tunggal dan campuran terhingga. **Sains Malaysiana**, 33(2), 171-192.
29. Shamsuddin, S.M., Jaaman, S.H., Majid, N. & **Ismail, N.** 2002. Improved backpropagation model for classification of profitability analysis data: a study on Malaysian market. **Chiang Mai Journal of Science**, 29(1), 35-41.
30. **Ismail, N.** & Yeoh, S.Y. 2002. Pemodelan tuntutan insurans bagi perbelanjaan perubatan (kajian kes). **Jurnal Teknologi Maklumat dan Sains Kuantitatif**, 4(1), 45-58.

RESEARCH GRANTS

NO.	RESEARCH TITLE	STATUS	FINANCIAL RESOURCES
1.	Compound mixed Poisson distribution and its application in insurance (Project Leader) UKM-ST-06-FRGS0108-2009	Ongoing	MOHE RM38,000
2.	Application of actuarial models in assessing the feasibility of insurance pricing (Project Leader) 06-01-02-SF0482	Completed	MOSTI RM103,400
3.	Analysis of hospitalization cost due to motor vehicle road accident injury in Malaysia (Project Leader) UKM-ST-05-FRGS0019-2006	Completed	MOHE RM62,000
4.	Soft computing in several mathematical and finance problems (Researcher) UKM-GUP-TMK-07-02-107	Completed	MOHE RM472,600
5.	Solvency, efficiency technique and financial ratio of insurance industry in Malaysia: construction of solvency score (Researcher) UKM-GUP-EP-07-16-126	Completed	MOHE RM50,000
6.	An algorithm for obtaining an early warning of insurer insolvency (Researcher) UKM-ST-06-FRGS0013-2007	Completed	MOHE RM60,200
7.	Modeling and simulation of the profitability of a life insurance (Researcher) UKM-ST-04-FRGS0066-2006	Completed	MOHE RM60,000
8.	Modeling of risk mitigation and returns maximization on Syariah Compliance Firms (Researcher) STGG-007-2007	Completed	MOHE RM5,000
9.	Application of actuarial and statistical models in Malaysian automobile insurance premium rating (Researcher) 09-02-02-0112-EA274	Completed	MOSTI RM114,000

PHD SUPERVISION

NO.	PHD STUDENT	STATUS
1.	Hossein Zamani, Statistics , UKM (main supervisor)	Ongoing
2.	Yulia Resti, Statistics , UKM (main supervisor)	Ongoing
3.	Mohamed Amraja Mohamed, Statistics , UKM (co-supervisor)	Ongoing
4.	Nurfadhlina Abdul Halim, Mathematics , UKM (co-supervisor)	Ongoing
5.	Malina Zukifli, Statistics , UKM (co-supervisor)	Ongoing
6.	Rubayah Yakob, Economics , UPM (co-supervisor)	Ongoing
7.	Zuriahati Mohd Yunos, Computer Science , UTM (co-supervisor)	Ongoing

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