

FIȘA DE EVALUARE GENERALĂ CONFORM STANDARDELOR UNIVERSITĂȚII

– Dr. Mihaela David –

PUNCTAJ TOTAL ACTIVITATE DE CERCETARE: 414,6 puncte

1. ARTICOLE ȘTIINȚIFICE PUBLICATE IN EXTENSO ÎN REVISTE COTATE WEB OF SCIENCE CU FACTOR DE IMPACT

(1*52.1 = 52.1 puncte)

1. D.V. Jemna and M. David (2018). Post-transitional regional fertility in Romania. *Demographic Research*, 38, pp. 1733-1776 ((60*1.320 + 25)/2 = 52.1)

3. ARTICOLE ȘTIINȚIFICE PUBLICATE IN EXTENSO ÎN REVISTE INDEXATE BDI

(1*7.5 + 1*15 = 22.5 puncte)

1. M. David and D.V. Jemna (2015). Modeling the frequency of auto insurance claims by means of Poisson and negative binomial models. *Analele Științifice ale Universității "Alexandru Ioan Cuza" din Iași*, 62(2), pp. 151-168 (**7.5 puncte**)
2. M. David (2014). Modeling the frequency of claims in auto insurance with application to a French case. *Review of Economic and Business Studies - REBS* 13, 7(1), pp. 66-85 (**15 puncte**)

4. ARTICOLE ȘTIINȚIFICE PUBLICATE IN EXTENSO ÎN VOLUMELE CONFERINȚELOR

a. Indexate ISI (ISI Proceedings)

(2*30 = 60 de puncte)

1. M. David (2015). Auto insurance premium using Generalized Linear Models. *Procedia Economics and Finance*, 20(2015), pp. 147-156 (**30 de puncte**)
2. M. David (2015). A review of theoretical concepts and empirical literature of non-life insurance pricing. *Procedia Economics and Finance*, 20(2015), pp. 157-162 (**30 de puncte**)

b. Indexate în BDI

(2*15 = 30 de puncte)

1. M. David (2015). Automobile insurance pricing with Generalized Linear Models. *Proceedings in GV - Global Virtual Conference*, 3(1), pp. 32-39 (**15 puncte**)
2. M. David (2013). The prediction of auto insurance premium - An approach with Generalized Linear Models. *The Eighth International Conference on Economic Cybernetic Analysis: Development and Resources*, 8(2013) (**15 puncte**)

12. CITĂRI ȘI RECENZII ALE LUCRĂRILOR ȘTIINȚIFICE

(155 + 25 + 60 + 10 = 250 de puncte)

1. **M. David (2015). Auto insurance premium using Generalized Linear Models. *Procedia Economics and Finance*, 20(2015), pp. 147-156**
(1*50 + 10*10 + 1*5 = 155 de puncte)

CITAT ÎN

Monografii academice din străinătate

1. T. Ha (2017). Modeling the premium in non-life insurance - A comparison of Generalized Linear and Generalized Linear Mixed Models. Department of Mathematics, University of Oslo, Norway (**50 de puncte**)

Reviste de specialitate din străinătate

2. I. Simeunović, M. Balaban, and D. Bodroža (2018). Pricing automobile insurance using mixed Poisson distributions. *Industrija*, 46(1), pp. 61-78 (**10 puncte**)
3. Y. Bian, C. Yang, J.L. Zhao, and L. Liang (2018). Good drivers pay less: A study of usage-based vehicle insurance models. *Transportation Research Part A: Policy and Practice*, 107, pp. 20-34 (**10 puncte**)
4. H. Wang, J. Tan, S. Guo, and S. Wang (2018). High-value transportation disruption risk management: Shipment insurance with declared value. *Transportation Research Part E: Logistics and Transportation Review*, 109, pp. 293-310 (**10 puncte**)
5. Z. Duan, Y. Chang, Q. Wang, T. Chen, and Q. Zhao (2018). A logistic regression based auto insurance rate-making model designed for the insurance rate reform. *International Journal of Financial Studies*, 6(1), 18 p. (**10 puncte**)
6. A. Hubin and G. Storvik (2017). Efficient mode jumping MCMC for Bayesian variable selection in GLMM. Cornell University Library: *ArXiv e-prints* (**10 puncte**)
7. T. Sukprayoon, T. Pattanadit, P. Sakulworat, and U. Charoenkrawatkul (2017). Using Generalized Linear Models to Estimate Pure Premium for Motor Insurance. *Math Journal by the Mathematical Association of Thailand*, 62(692), pp. 31-38 (**10 puncte**)
8. ZM. Yunos, A. Ali, SM. Shamsyuddin, and N. Ismail (2016). Predictive Modelling for Motor Insurance Claims Using Artificial Neural Networks. *International Journal of Advances in Soft Computing and its Applications*, 8(3), pp. 160-172 (**10 puncte**)

9. Z.Y. Liu and Z.L. Chen (2016). The research of car insurance pricing based on Tweedie-Gam. *Airity Library: Management Science and Statistical Decision*, 13(1), pp. 13-24 **(10 puncte)**
10. Z.M. Yunosa, S.M. Shamsuddina, and R. Alweea (2016). Comparative performance for predictive modelling in motor insurance claims. *Jurnal Teknologi*, 78(12-2), pp. 29-34 **(10 puncte)**
11. A. Mohamad Abadi (2016). Employer's third party liability insurance premium calculation using GAMLSS with emphasis on claim severity. *International Conference on Insurance and Development*, 23(2016), 15 p. **(10 puncte)**

Reviste de specialitate din țară

12. M. Covrig, I. Mircea, G. Zbaganu, Al. Coser, and Al. Tindeche (2015). Using R In Generalized Linear Models. *Romanian Statistical Review*, 3, pp. 33-45 **(5 puncte)**
2. **M. David and Dănuț-Vasile Jemna (2015). Modeling the frequency of auto insurance claims by means of Poisson and negative binomial models. *Analele Științifice ale Universității "Alexandru Ioan Cuza" din Iași*, 62(2), pp. 151-168**
(5*5 = 25 de puncte)

CITAT ÎN

Reviste de specialitate din străinătate

1. S. Riaman, D. Susanti, E. Marbun, and A.T. Bon (2018). Net premium estimation by using forward selection linear model for motor vehicle insurance. *Proceedings of the International Conference on Industrial Engineering and Operations Management*, Bandung, Indonesia, March 6-8, 2018, 7 p. **(5 puncte)**
2. C.O. Omari, S.G. Nyambura, and J.M.W. Mwangi (2018). *Modeling the frequency and severity of auto insurance claims using statistical distributions*. *Journal of Mathematical Finance*, 8(1), pp. 137-160 **(5 puncte)**
3. Z. Duan, Y. Chang, Q. Wang, T. Chen, and Q. Zhao (2018). A logistic regression based auto insurance rate-making model designed for the insurance rate reform. *International Journal of Financial Studies*, 6(1), 18 p. **(5 puncte)**
4. B. Sheehan, F. Murphy, C. Ryan, M. Mullins, and H.Y. Liu (2017). Semi-autonomous vehicle motor insurance: A Bayesian Network risk transfer approach. *Transportation Research Part C: Emerging Technologies*, 82, pp. 124-137 **(5 puncte)**
5. M. Gerthofer, V. Sladek, and P. Zimmermann (2017). Estimation of incurred but not yet reported claims based on Poisson distributed reporting delay. *20th International Scientific Conference AMSE - Applications of Mathematics and Statistics in Economics*, Poland, 30 August - 3 September 2017, 12 p. **(5 puncte)**

3. **M. David (2015). A review of theoretical concepts and empirical literature of non-life insurance pricing. *Procedia Economics and Finance*, 20(2015), pp. 157-162**
(1*50 + 1*10 = 60 de puncte)

CITAT ÎN

Monografii academice din străinătate

1. S. Anantasopon (2015). *An insurance claim and pricing model using infinite mixture distributions*. Department of Applied Mathematics, Suranaree University of Technology, Thailand (**50 de puncte**)

Reviste de specialitate din străinătate

2. K. Mahmoudiazar and A. Kimiagari (2017). Designing a New Model for Valuation of Financial Contracts based on the Investment Risk Assessment. *Journal of Asset Management and Financing*, 4(4), pp. 29-44 (**10 puncte**)
4. **M. David (2015). Automobile insurance pricing with Generalized Linear Models. *Proceedings in GV - Global Virtual Conference*, 3(1), pp. 32-39**
(1*10 = 10 puncte)

CITAT ÎN

Reviste de specialitate din străinătate

1. V. Kaščelan, L. Kaščelan, and M.N. Burić (2018). A nonparametric data mining approach for risk prediction in car insurance: A case study from the Montenegrin market. *Economic Research-Ekonomska Istraživanja*, 29(1), pp. 545-558 (**10 puncte**)