ECONOMIC, INSTITUTIONAL, AND CULTURAL FACTORS FAVOURING THE INSURANCE MARKET VERSUS THE CREDIT AND STOCK MARKET

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Abstract: We investigate several insurance structural indexes, emphasising the internal structure of the insurance market in relation to other financial sectors. The considered factors evaluate economic development, performance of institutional environment, and the cultural characteristics (Hofstede's measures). Data are from official international sources, using panel regressions and hierarchical clusterization. The results show a significant impact of a global institutional index, economic development, and Hofstede cultural dimensions on insurance indexes. We highlight some geographical groups of the countries' behavioural patterns regarding causality relationships between the structural insurance indexes and their drivers.

Key words: life insurance; credit market; stock market; economic development; Hofstede; panel regressions; clustering; European countries *JEL Classification:* G22; G21; G10; C23

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References:

- 1. Azam, M., Haseeb, M., Samsi, A. B., and Raji, J. O., 2016. Stock market development and economic growth: Evidences from Asia-4 countries. *International Journal of Economics and Financial Issues*, 6(3), pp. 1200-1208.
- 2. Baiardi, D., and Morana, C., 2018. Financial development and income distribution inequality in the euro area. *Economic Modelling*, 70(4), pp. 40-55. https://doi.org/10.1016/j.econmod.2017.10.008.
- 3. Beck, T., and Webb, I., 2003. Economic, Demographic and Institutional Determinants of Life Insurance Consumption. *The World Bank Economic Review*, 17(1), pp. 51-88.
- 4. Chui, A. C., and Kwok, C.C., 2008. National Culture and Life Insurance Consumption. *Journal of International Business Studies*, 39(1), pp. 88-101.
- 5. Chui, A. C., and Kwok, C.C., 2009. Cultural Practices and Life Insurance Consumption: An International Analysis using GLOBE Scores. *Journal of Multinational Financial Management*, 19(4), pp. 273-290.
- 6. David, D., 2015. *Psychology of Romanian people*. Bucharest: Polirom.
- 7. Destek, M. A., Sinha, A., and Sarkodie, S. A., 2020. The relationship between financial development and income inequality in Turkey. *Journal of Economic Structures*, 9(1), pp. 1-14.
- 8. Dragos, S. L., Dragos, C. M., and Muresan, G. M., 2020. From intention to decision in purchasing life insurance and private pensions: Different effects of knowledge and behavioural factors. *Journal of Behavioral and Experimental Economics*, 87, 101555.
- 9. Gandolfi, A., and Miners, K., 1996. Gender-Based Differences in Life Insurance Ownership. *Journal of Risk and Insurance*, 63(4), pp. 683-693.
- Hammond, J.D., Houston, D.B., and Melander, E.R., 1967. Determinants of household life insurance premium expenditure: An empirical investigation. *The Journal of Risk and Insurance*, 34(3), pp. 397-408.
- 11. Hausman, J. A., 1978. Specification tests in econometrics. *Econometrica: Journal of the econometric society*, 46 (6), pp. 1251-1271.

- 12. Hofstede, G., Hofstede G.J., and Minkov, M., 2010. *Cultures and Organizations: software of the mind: intercultural cooperation and its importance for survival*, 3rd edition. McGrawHill.
- 13. Hofstede, G., 2011. Dimensionalizing cultures: The Hofstede model in context. *Online readings in psychology and culture*, 2(1), pp. 2307-0919.
- 14. Hoi, L. Q., and Hoi, C. M., 2016. Credit market depth and income inequality in Vietnam: A panel-data analysis. *Journal of Economics and Development*, 18(2), pp. 5-18. https://doi. org/10.33301/2016.18.02.01.
- 15. Lewis, F.D., 1989. Dependents and the Demand for Life Insurance. *American Economic Review*, 79(3), pp. 452-466.
- Luciano, E., Outreville, F., and Rossi M., 2016. Life Insurance Ownership by Italian Households: A Gender-Based Differences Analysis. *The Geneva Papers on Risk and Insurance - Issues and Practice*, 41(3), pp. 468-490. https://doi.org/10.1057/gpp.2016.7.
- 17. Mackenzie, G., 2006. *Annuity markets and pension reform*. Cambridge University Press.
- 18. Messori, M., 2014. A Schumpeterian analysis of the credit market. *Structural Change and Economic Dynamics*, 28, pp. 43-59. https://doi.org/10.1016/j.strueco.2013.11.001.
- 19. Millo, G. and Carmeci, G., 2015. A Subregional Panel Data Analysis of Life Insurance Consumption in Italy. *The Journal of Risk and Insurance*, 82(2), pp. 317-340. https://doi.org/10.1111/jori.12023.
- 20. Ngare, E., Nyamongo, E. M., and Misati, R. N., 2014. Stock market development and economic growth in Africa. *Journal of Economics and business*, 74(1), pp. 24-39. https://doi.org/10.1016/j. jeconbus.2014.03.002.
- 21. Niblock, S. J., Heng, P., and Sloan, K., 2014. Regional stock markets and the economic development of Southeast Asia. *Asian-Pacific Economic Literature*, 28(1), pp. 47-59. 10.1111/apel.12068.
- 22. Outreville, J.F., 1996. Life insurance markets in developing countries. *Journal of Risk and Insurance*, 63(2), pp. 263–278.
- 23. Outreville, J. F., 2014. Risk aversion, risk behavior, and demand for insurance: A survey. *Journal of Insurance Issues*, 37(2), pp. 158-186.
- 24. Outreville, J. F., 2015. The relationship between relative risk aversion and the level of education: a survey and implications for the demand for life insurance. *Journal of Economic Surveys*, 29(1), pp. 97-111. https://doi.org/10.1111/joes.12050.

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- 25. Park, H., Borde S.F., and Choi, Y., 2002. Determinants of Insurance Pervasiveness: A Cross-National Analysis. *International Business Review*, 11(1), pp. 79-96. https://doi.org/10.1016/S0969-5931(01)00048-8.
- 26. Park, S.C. and Lemaire, J., 2011. Culture Matters: Long-Term Orientation and the Demand for Life Insurance. *Asia-Pacific Journal* of *Risk and Insurance*, 5(2), pp. 1-21.
- 27. dos Santos, P. L., 2014. A note on credit allocation, income distribution and the circuit of capital. *Metroeconomica*, 65(2), pp. 212-236. https://doi.org/10.1111/meca.12035.
- 28. Sayar, G., Erdas, M. L., and Destek, G., 2020. The Effects of Financial Development, Democracy and Human Capital on Income Distribution in Developing Countries: Does Financial Kuznets Curve Exists? *Journal of Applied Economics & Business Research*, 10(2), pp. 76-9.
- 29. Schlesinger, H., 1981. The optimal level of deductibility in insurance contracts. *The Journal of Risk and Insurance*, 48(2), pp. 465–481.
- 30. Shulruf, B., Alesi, M., Ciochina, L., Faria, L., Hattie, J., Hong, F., Pepi, A.M. and Watkins, D., 2011. Measuring collectivism and individualism in the third millennium. *Social Behaviour and Personality: An International Journal*, 39(2), pp. 173-187.
- 31. Yaari, M.E., 1964. On the consumer's lifetime allocation process. *The International Economic Review*, 5(3), pp. 304-317.
- 32. Yaari, M.E., 1965. Uncertain lifetime, life insurance, and the theory of the consumer. *Review of Economic Studies*, 32(2), pp. 137-150.