Supplementary material

DETERMINANTS OF AI ADOPTION INTENTION IN SMES. ROMANIAN CASE STUDY

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Measurement scales

Scale (Var.)	ltem
Perceived relative advantage (REA)	Al technologies improve the quality of work
	Al technologies make work more efficient
	Al technologies lower labour costs
	Al technologies lead to improved customer service
	Al technologies generate new sales to new customers
	Al adoption identifies new product/service opportunities
	Al adoption can help the company reposition on an unexplored niche
Perceived complexity (CPX)	The adoption of Al technologies may be difficult due to the limited availability or quality of the necessary data
	The adoption of AI technologies may be difficult because of concerns regarding violation of data protection and privacy
	The adoption of Al technologies may be difficult because of a lack of clarity about the legal consequences
	The adoption of AI technologies may be difficult because of ethical considerations
	The adoption of Al technologies may be difficult because of hesitations from personnel or product/ service end-users
Perceived high costs (CST)	The amount of money invested in training employees to use AI technologies would be very high.
	The cost of adopting AI technologies is unclear and not easily understandable
	Adopting AI technologies will increase hardware costs
	Adopting AI technologies will increase operations and maintenance cost
	The costs involved in the adoption of AI technologies would be far greater than the expected benefits
	The time to recuperate the investments in Al adoption would be much too long
Top management support (TMS)	My company has policy frameworks that support the usage of Al technology
	Top management would provide the resources necessary for the adoption of Al technologies
	Top management would support the use of AI tools
	Top managers would be enthusiastic about adopting AI tools
Organizational readiness (ORG)	My company has the appropriate innovation capacity to implement AI tools in its workflows
	My company is capable of learning technological knowledge in order to solve current problems
	My company has the capital/financial resources to implement AI tools in its workflows
	My company has the IT infrastructure needed to implement AI tools in its workflows

Scale (Var.)	ltem
Perceived employee capability (EMP)	Our employees would be capable of learning how to use an Al tool easily
	Our employees would be capable of using an Al tool to better serve our customers
	Our employees would be capable of using an AI tool to accomplish their tasks more efficiently
	Our employees would be capable of generating innovative ideas using an AI tool
Perceived competitive pressure (COM)	There would be adequate technical support for AI technologies provided by vendors
	Training for AI tools and technologies would be adequately provided by vendors and other training service providers
	Vendors actively market AI technology adoption
Perceived customer pressure (CUS)	Our competitors have already adopted or are in the process of adopting AI technologies
	Industry associations demand that our company adopt AI technologies
	Competitive conditions demand our company to adopt AI technologies
	Our partners have already adopted Al technologies, pushing us to adopt them ourselves
Perceived vendor support (VEN)	Many of our customers would expect our business to adopt AI technologies
	Our relationship with our major customers would suffer if we did not adopt AI technologies
	Our customers consider would consider us to be forward-thinking by adopting Al tools and technologies
	My firm believes that we may lose customers if we do not adopt AI technologies
Al adoption intention (Al)	The company is willing to experiment with AI technology
	The company plans to adopt AI technology soon
	The company has adopted AI technology
	The company is expected to adopt AI technology in the future