

EXPLORING GENDER DIFFERENCES IN THE IMPACT OF DIGITAL FINANCIAL LITERACY ON PERSONAL FINANCIAL BEHAVIOR: A PLS-MGA APPROACH

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Appendix 1. Measurements scales

1. Digital financial literacy (Abdallah et al., 2025)

Items	Statement
Financial knowledge	FK1 High-return investments are also high-risk investments
	FK2 If inflation is high, the cost of living will rise swiftly
Digital knowledge	DK1 I know how to use a computer and a smartphone
	DK2 Patterns, fingerprints and facial biometrics can be used to unlock smartphones
	DK3 Smartphone applications are downloaded via an online shop application
	DK4 I understand how to set up an account on a smartphone
Practical know-how	PK1 I understand how to set up an account on digital financial services platforms
	PK2 I understand how to conduct a transaction using a digital payment application
	PK3 I understand how to cancel a transaction on a digital payment app
	PK4 I understand how to use the digital financial services menu
Awareness	AW1 I use at least one digital payment app
	AW2 Digital payment apps are used to make payments, save money and even borrow money
	AW3 I am aware of the dangers of borrowing and abusive and exploitative lending tactics
	AW4 I know where to go for financial information and guidance
Decision-making	DM1 I handle my funds adequately for daily costs
	DM2 When necessary, I employ digital payment applications
	DM3 I am capable of selecting proper D.F.S. for a specific goal
	DM4 I am capable of selecting reputable Digital Financial Services suppliers
Self-protection	SP1 I can understand the terms and conditions of Digital Financial Services and avoid fraudulent tactics
	SP2 I can detect scams and frauds related to digital financial services and avoid their traps to protect data and financial resources

2. Financial behavior (Abdallah et al., 2025)

Items	Statement
Saving behavior	SB1 I will likely save money by packing my lunch instead of buying it out
	SB2 Saving money for the future is something I think about
	SB3 When I get money, I save some of it no matter what
	SB4 I do a good job of budgeting my money
Shopping behavior	ShB1 When I go shopping, I compare prices
	ShB2 When I go shopping, I impulse buy
	ShB3 When I go shopping, I wait to buy items on sale
Long-term planning	LtP1 I've established financial objectives for the next 1–2 years regarding what I want to do with my money
	LtP2 I plan how to spend my money over the next 1–2 years
	LtP3 I'm actively considering staying within my budget for the next 1–2 years

Items		Statement
	LtP4	I prefer to look at my budget over the next 1–2 years to get a clearer picture of my future expenditures
	LtP5	Having my funds set out for the next 1–2 years makes me feel better
Short-term planning	StP1	I've established financial objectives for the next 1–2 months regarding what I want to do with my money
	StP2	I plan how to spend my money over the next 1–2 months
	StP3	I'm actively considering staying within my budget in the next 1–2 months
	StP4	I look through my budget to see how much I have left over for the next 1–2 months
	StP5	I prefer to look at my budget for the following 1–2 months to get a clearer picture of my future expenditures
	StP6	Having my funds set out for the next 1–2 months feels good

Appendix 2. Descriptive statistics

Variable	Observations	Percentage
Gender		
Female	224	68%
Male	105	32%
Age		
20 – 30	253	76,9%
30 - 40	41	12,5%
>40	35	10,6%
Occupation		
Part-time	94	28,6%
Full-time	200	60,8%
Others	35	10,6%
Monthly income		
Under 8.000.000 VND	200	60,8%
From 8.000.000 VND to 11.000.000 VND	45	13,9%
From over 11.000.000 VND to 16.000.000 VND	29	8,8%
From over 16.000.000 VND to 21.000.000 VND	18	5,5%
From over 21.000.000 VND to 29.000.000 VND	19	5,8%
From over 29.000.000 VND to 43.000.000 VND	7	2,1%
From over 43.000.000 VND to 63.000.000 VND	6	1,8%
From over 63.000.000 VND to 91.000.000 VND	2	0,6%
Over 91.000.000 VND	3	0,9%

Appendix 3. Quality of observed variables

First-Order Construct	Scale Item	Factor Loading		First-Order Construct	Scale Item	Factor Loading	
		Before Item Removal	After Item Removal			Before Item Removal	After Item Removal
FK	FK1	0,808	0,812		SB1	0,289	
	FK2	0,919	0,917	SB	SB2	0,776	0,776
DK	DK1	0,881	0,879		SB3	0,694	0,715
	DK2	0,892	0,894		SB4	0,814	0,812
PK	DK3	0,913	0,913	ShB	ShB1	0,774	0,786
	DK4	0,925	0,926		ShB2	0,721	0,710
	PK1	0,847	0,858		ShB3	0,863	0,857
	PK2	0,850	0,849	LtP	LtP1	0,871	0,892
AW	PK3	0,901	0,906		LtP2	0,731	0,702
	PK4	0,872	0,860		LtP3	0,899	0,902
	AW1	0,878	0,880		LtP4	0,797	0,823
	AW2	0,927	0,927		LtP5	0,363	
DM	AW3	0,882	0,882	StP	StP1	0,879	0,878
	AW4	0,899	0,897		StP2	0,892	0,893
	DM1	0,877	0,875		StP3	0,868	0,867
	DM2	0,857	0,858		StP4	0,886	0,886
SP	DM3	0,901	0,907		StP5	0,769	0,770
	DM4	0,877	0,871		StP6	0,786	0,786
	SP1	0,963	0,965				
	SP2	0,965	0,963				