The impact of DIGITAL FINANCE on GREEN INVESTMENT

and the mediation effect of Return on Assets



Does digital finance have a positive effect on corporate green investment? Can ROA be the mediator between digital finance and green investment?

Problem

Green investment

High risk + Low return

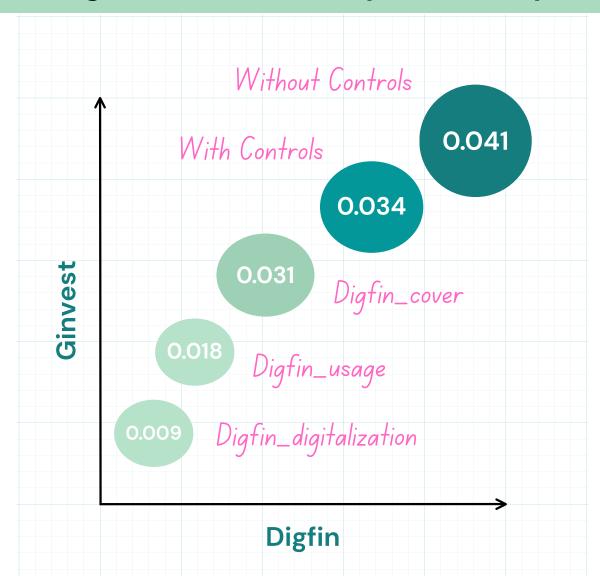
Data

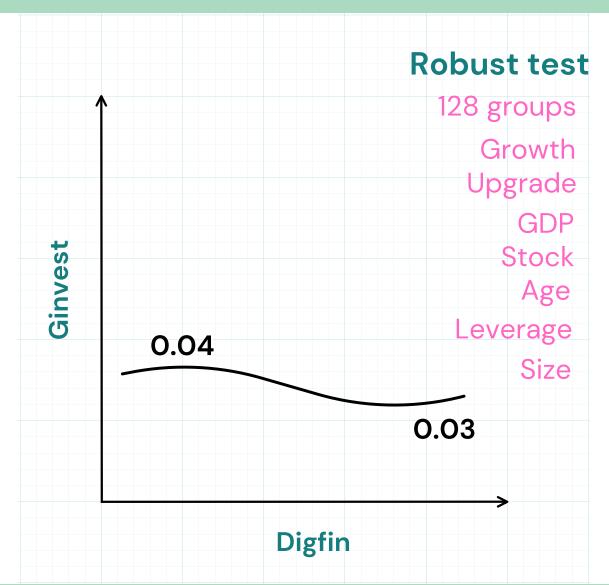
A-share listed companies in the heavily polluting industry in China

Method

Panel model by R programming

Digital finance has a positive impact on green investment





H2A

Digital finance positively influences ROA of green investment corporates

H2B ROA mediates the relationship between digital finance and green investment of an entity

ROA ← (-)
Digfin

Ginvest



ROA + Digfin + Controls

Other factors

Gorvernment policies encourage green investment: the Supply-Side Structural Reforms, the Guidelines for Establishing the Green Financial System.

Financial constraint variables: impact of the US-China trade war on import/export.

Recommendations

Broaden the **samples** to include additional industries and regions.

Explore alternative indicators such as Profit per Share (PB), Return on Equity (ROE) to access from financial perspective.

Conclusion

- Digital finance and green investment have a positive correlation.
- ROA cannot be used as a mediator in the relationship between digital finance and green investment.

