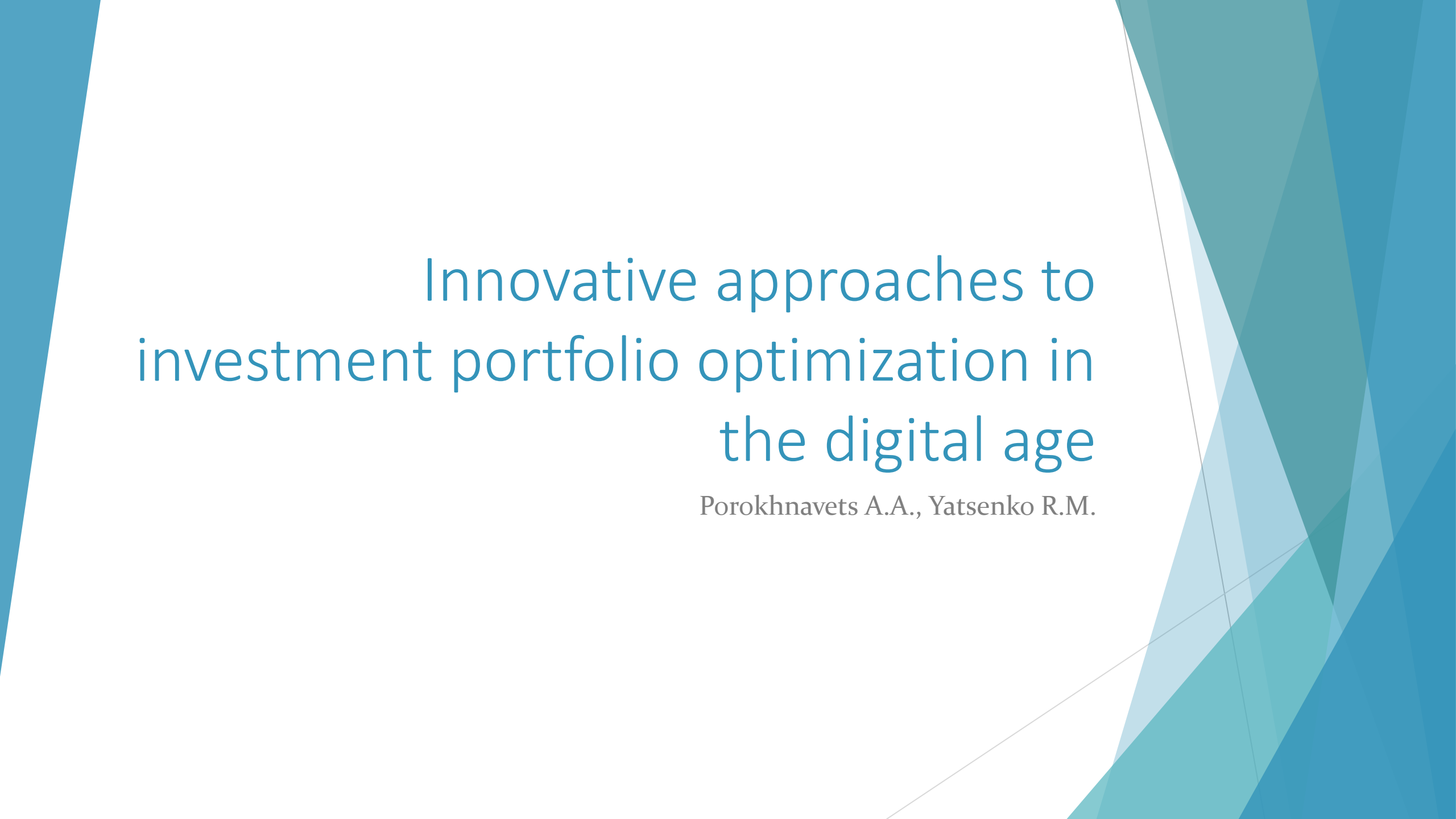
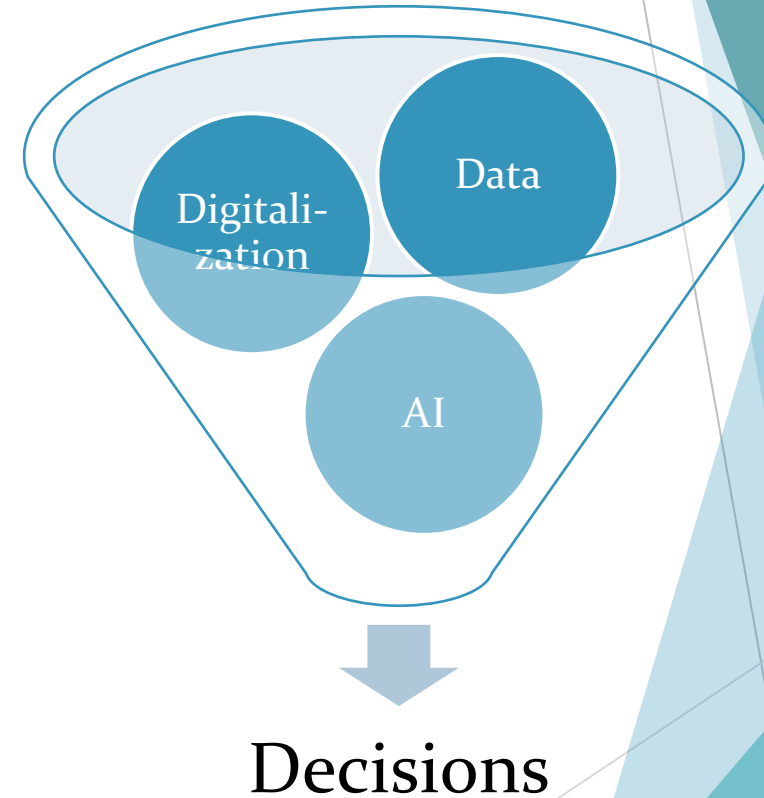
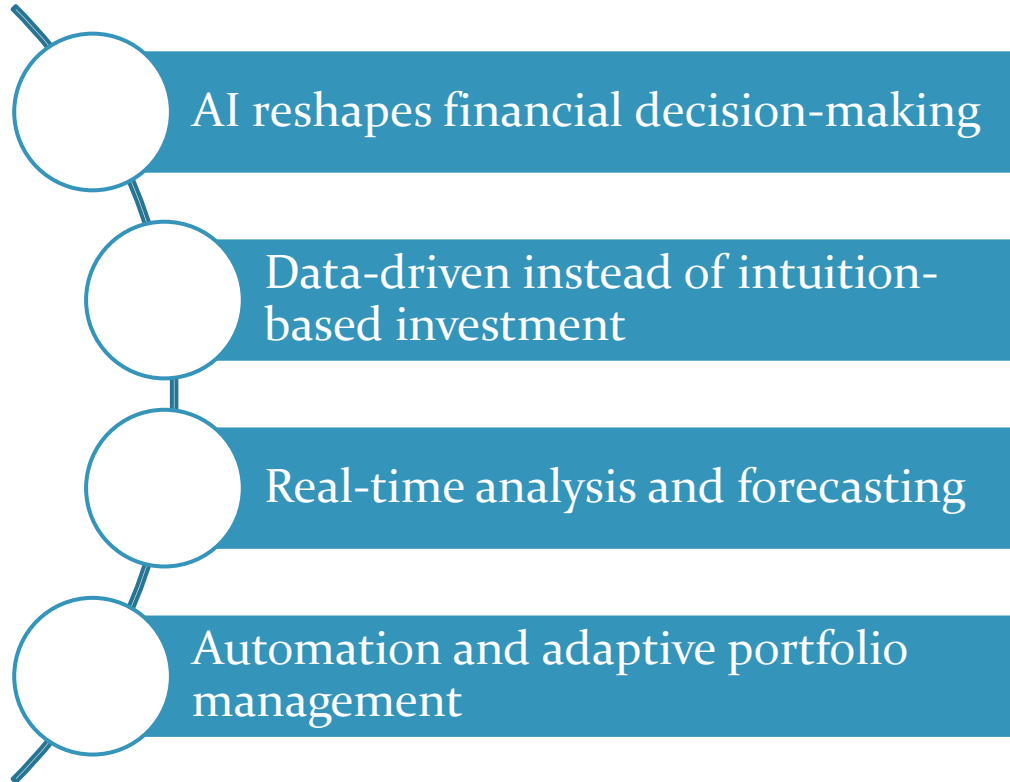




Innovative approaches to investment portfolio optimization in the digital age

Porokhnavets A.A., Yatsenko R.M.

Digital Transformation and AI in Finance



AI-Driven Portfolio Optimization



ML/DL -
Forecasting



NLP -
Sentiment



Clustering
–
Diversification



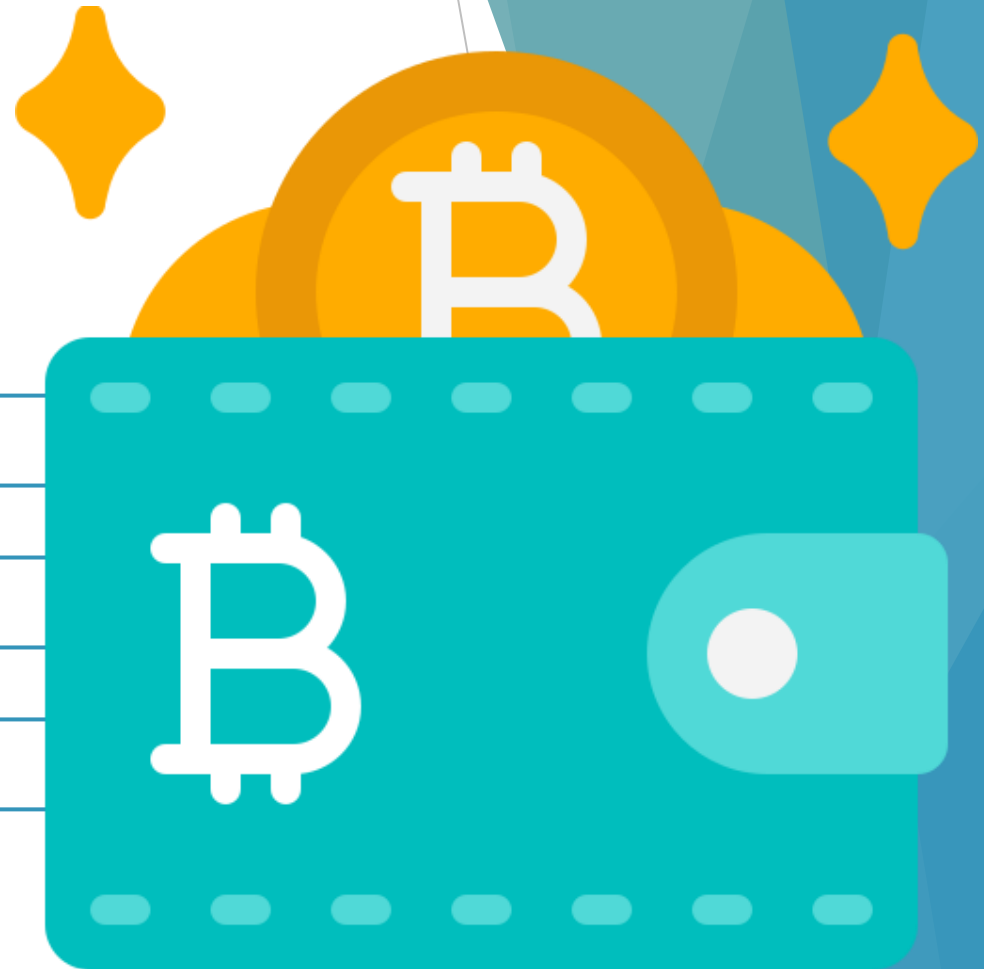
RL –
Rebalancing

AI and Digital Assets

Cryptocurrencies as a volatile yet promising asset class

2024: \$2.4B invested in crypto startups

Fast and low-cost financial transactions



Conclusions



- Higher analytical efficiency
- Real-time adaptivity
- Speed and automation
- Reduced human bias
- Works well with new asset types

- Data dependency
- “Black-box” interpretability problem
- High implementation cost