

Fintech in Investment Management

1. INTRODUCTION

Fintech (finance + technology) is playing a major role in the fields of:

- investment management industry
- investment advisory services
- financial record keeping, blockchain and distributed ledger technology (DLT)

2. WHAT IS FINTECH

Some salient fintech developments related to the investment industry include:

- Analysis of large data sets:
 - o traditional data sources include economic indicators, financial statements
 - non-traditional data sources (such as social media, sensor networks) to generate profits.
- Analytical tools: artificial intelligence (AI) helps identifying complex, non-linear relationships among gigantic datasets.
- Automated trading: lower transaction costs, market liquidity, secrecy, efficient trading etc.
- Automated advice: Robo-advisors or automated personal wealth management are lowcost alternates for retail investors.
- Financial record keeping: DLT provides advanced and secure means of record keeping and tracing ownership of financial assets on peer-to-peer (P2P) basis.

| | | 3. BIO | G DATA | | |
|-------------|--|--|--------------------|--|----|
| | Traditi | onal | | Non-traditional (alternate | 2) |
| Sources | Institutions, Businesses, Government, Financial Markets | | Sources | Social media, Sensor networks Company- used data, Electronic devices, Smart phones, Cameras, Microphones, Radio-frequency identification (RFID) | |
| filings, Sa | | ports, Regulatory les & earnings, ce calls, Trade prices & | Forms of Data | Posts, Tweets, Blogs, Email, Text messages, Web-traffic, Online news sites | |
| | | Big data typically have • Volume • Velocity • Variety | the following feat | ures: | |
| | | | continue | | |



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