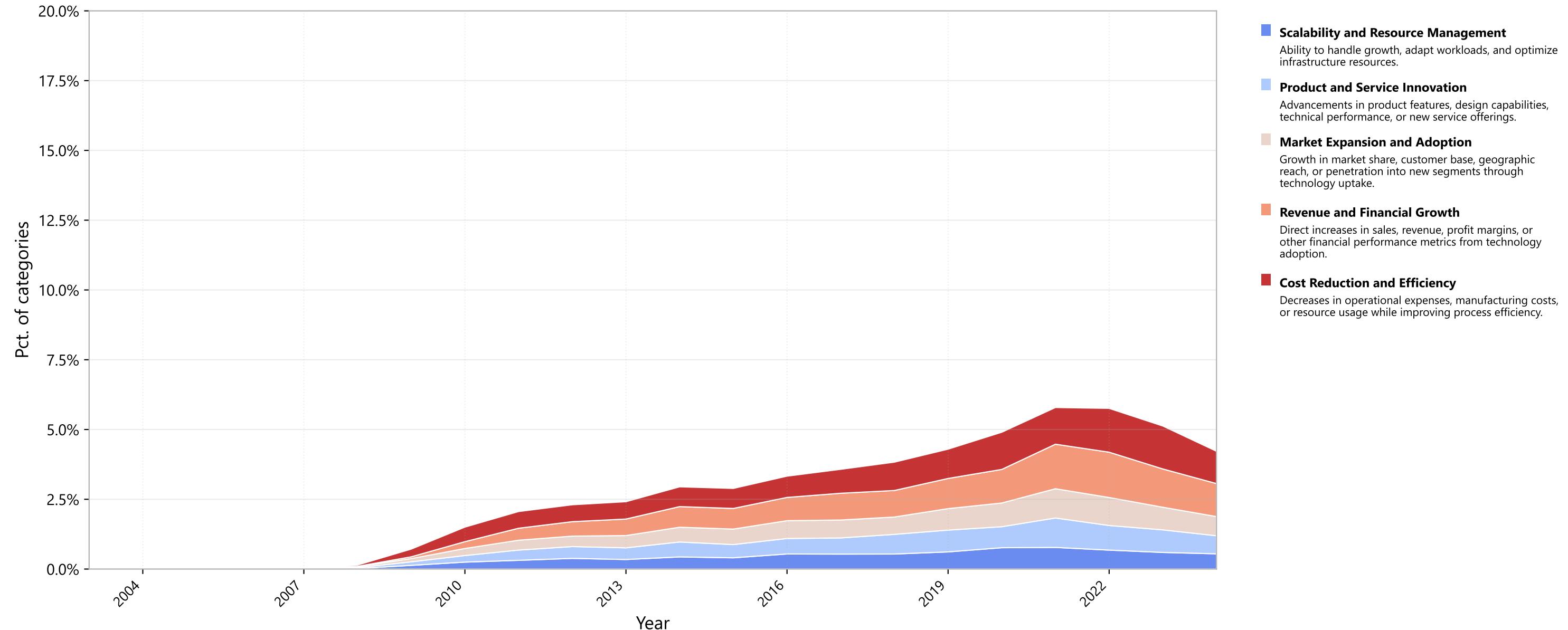
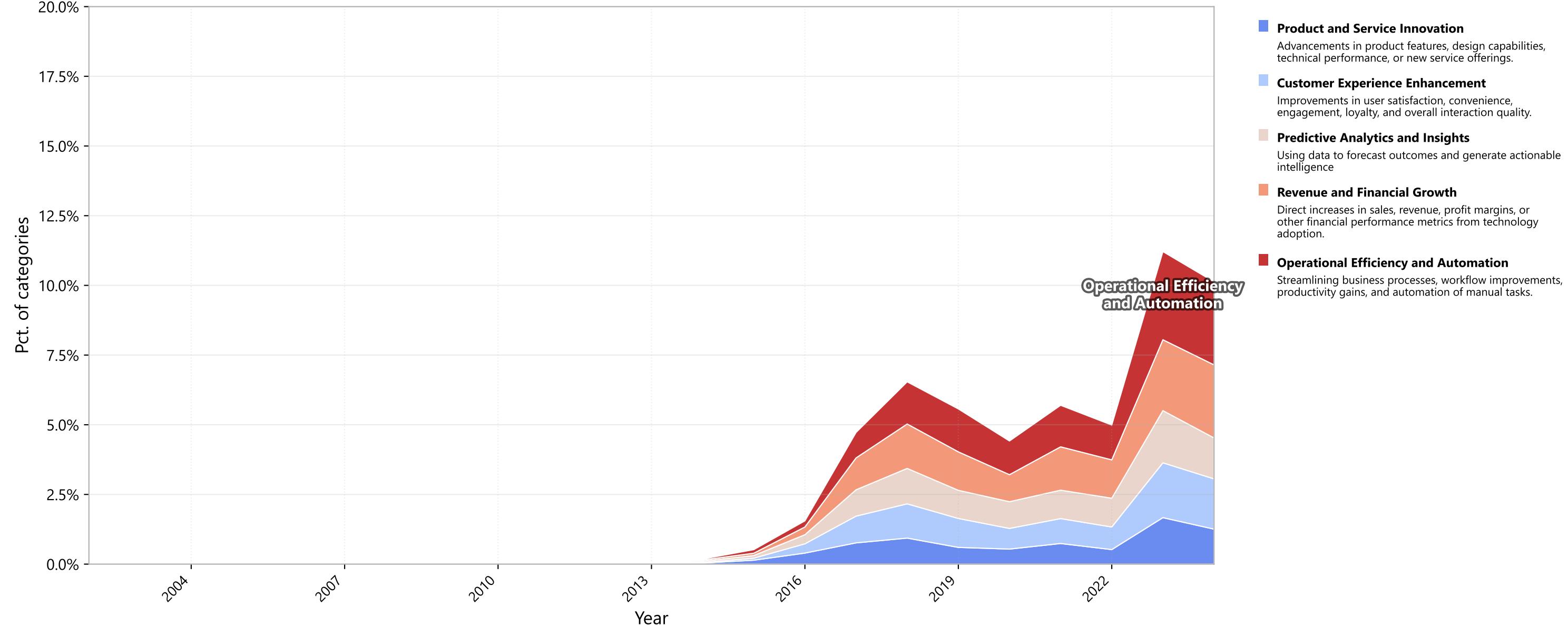


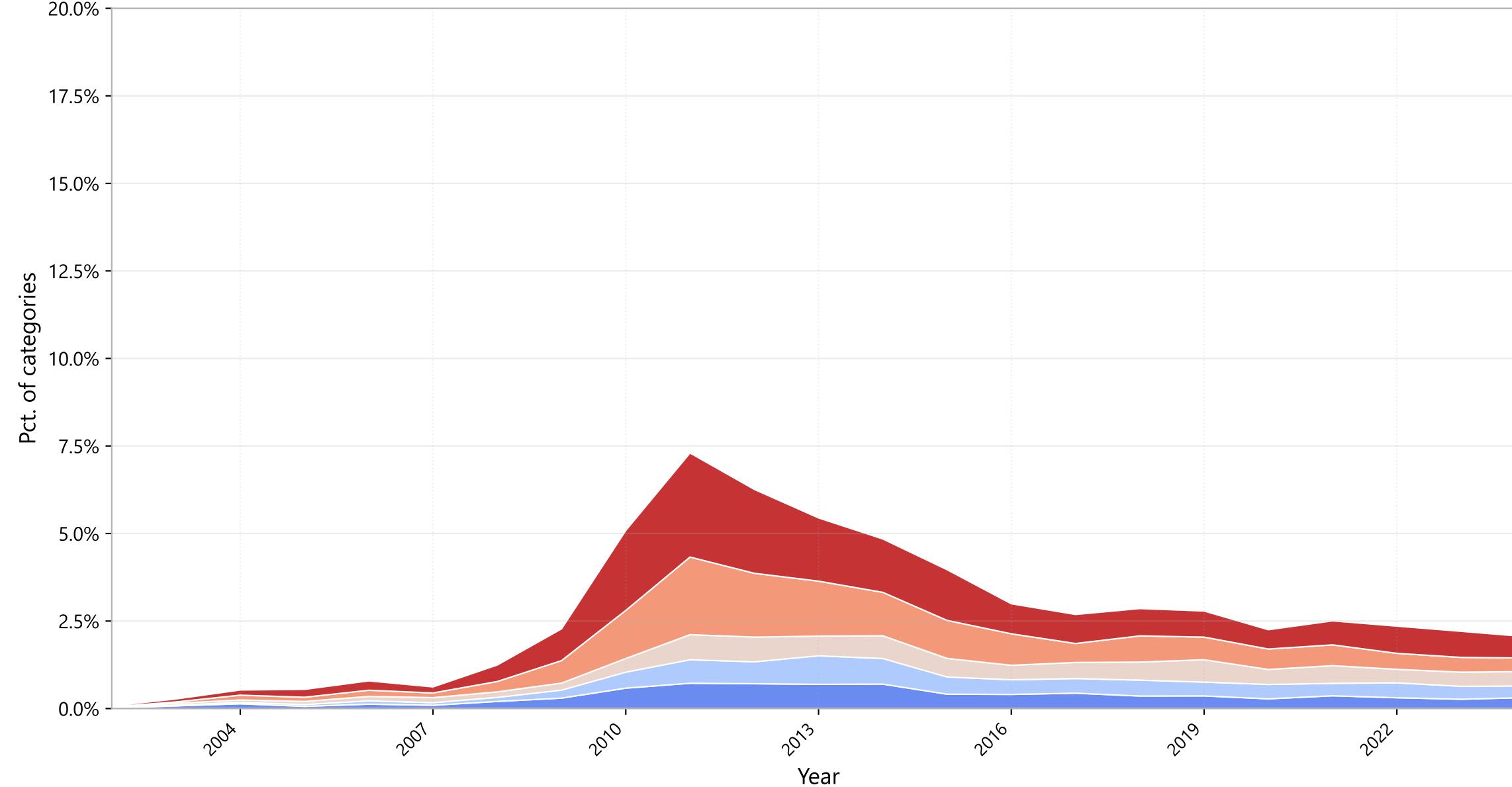
Effect — Technology = Cloud computing(2002-2024)



Effect — Technology = Machine Learning AI(2002-2024)



Effect — Technology = Smart devices(2002-2024)



New Market Opportunities

Expansion into new geographic, product, or customer segments.

User Experience Enhancement

Improvements in usability, convenience, or satisfaction for smart device users.

Product Performance Improvement

Enhancements in device functionality, quality, or technical capabilities.

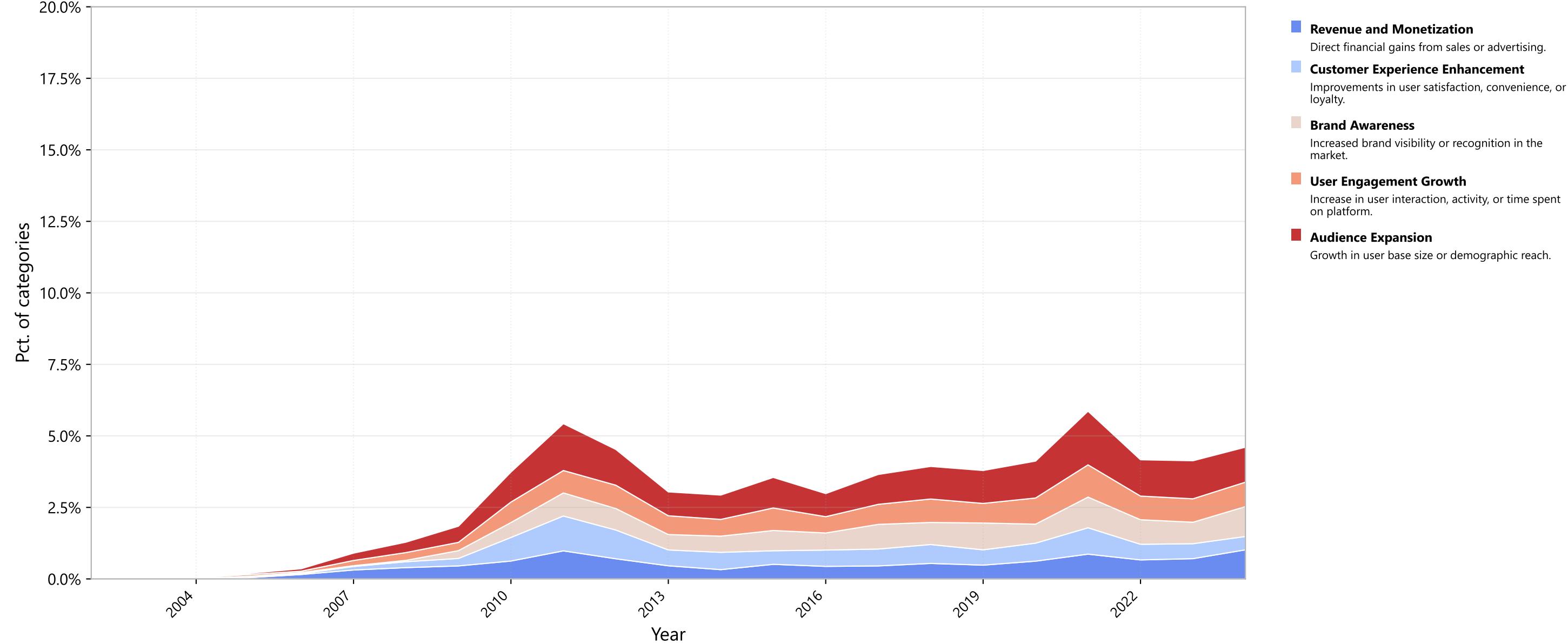
User and Customer Growth

Increased usage, adoption rates, active users, or customer base for smart devices/services.

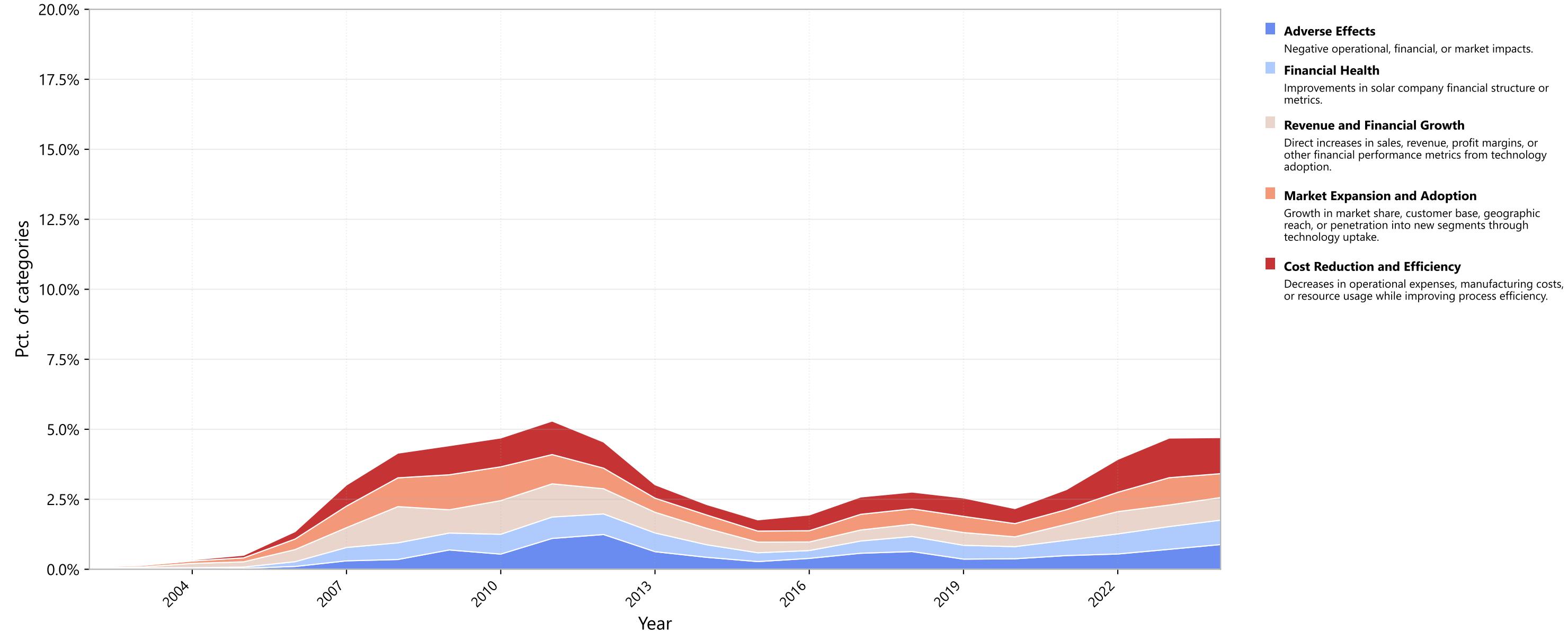
Revenue and Profit Growth

Increase in financial metrics like revenue, profit, or margins from smart device adoption.

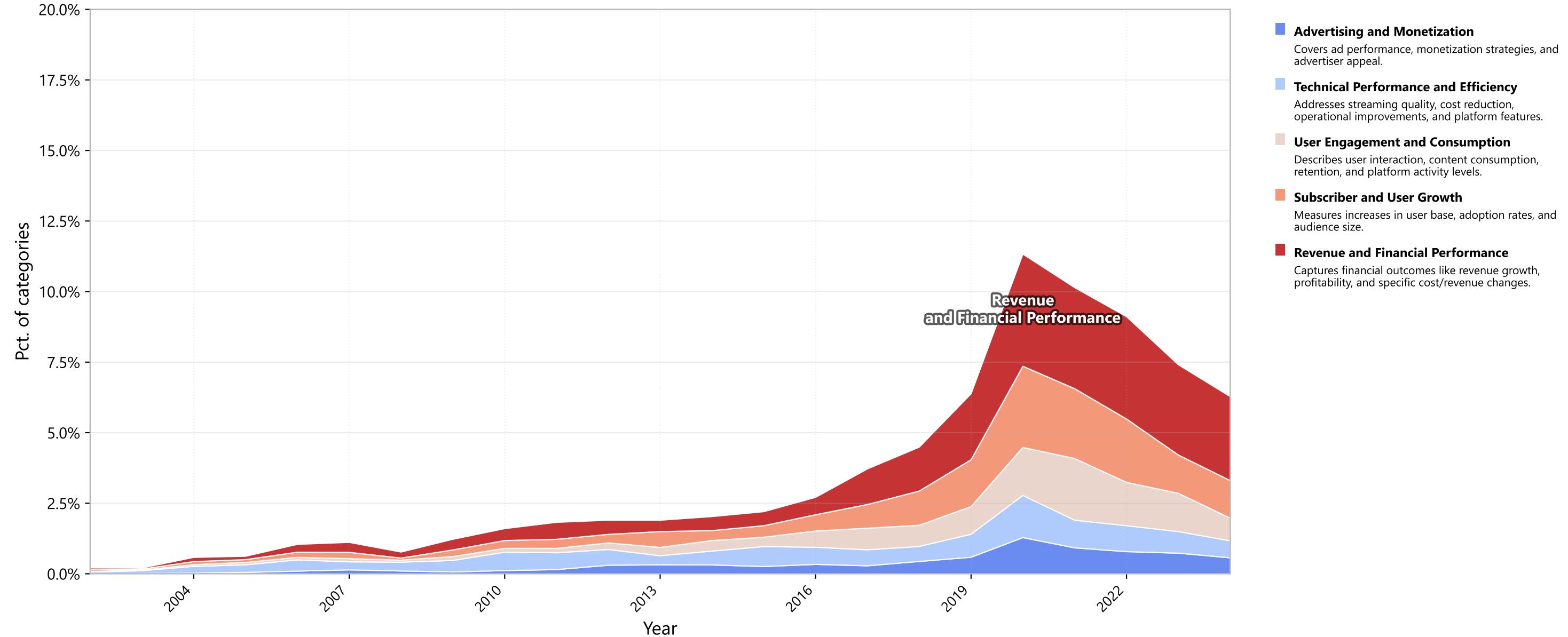
Effect — Technology = Social Networking(2002-2024)



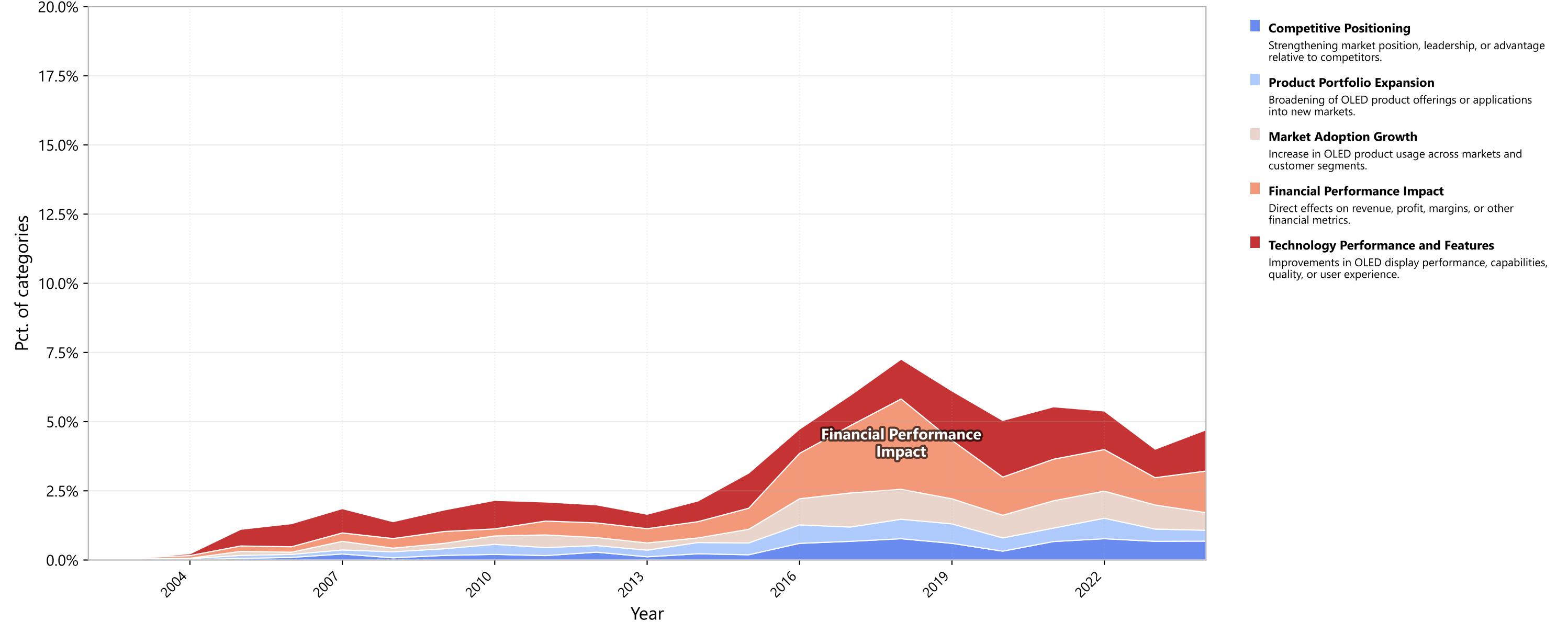
Effect — Technology = Solar Power(2002-2024)



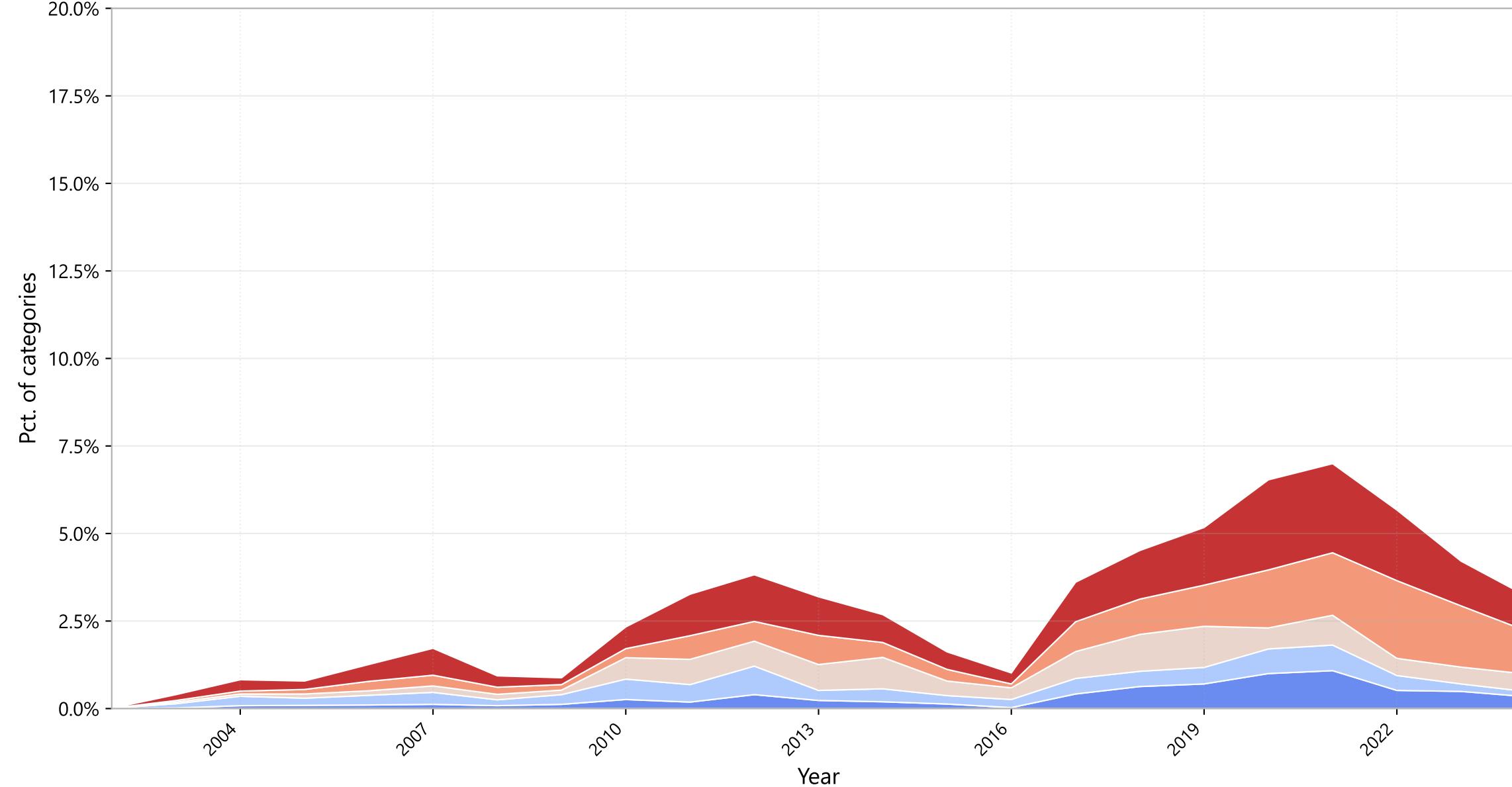
Effect — Technology = Online streaming(2002-2024)



Effect — Technology = Oled display(2002-2024)



Effect — Technology = Wifi(2002-2024)



Performance and Speed Enhancement

Improvements in network speed, throughput, or technical performance

Service and Application Enablement

Enabling novel services, applications, or use cases

Customer Experience Enhancement

Improvements in user satisfaction, convenience, engagement, loyalty, and overall interaction quality.

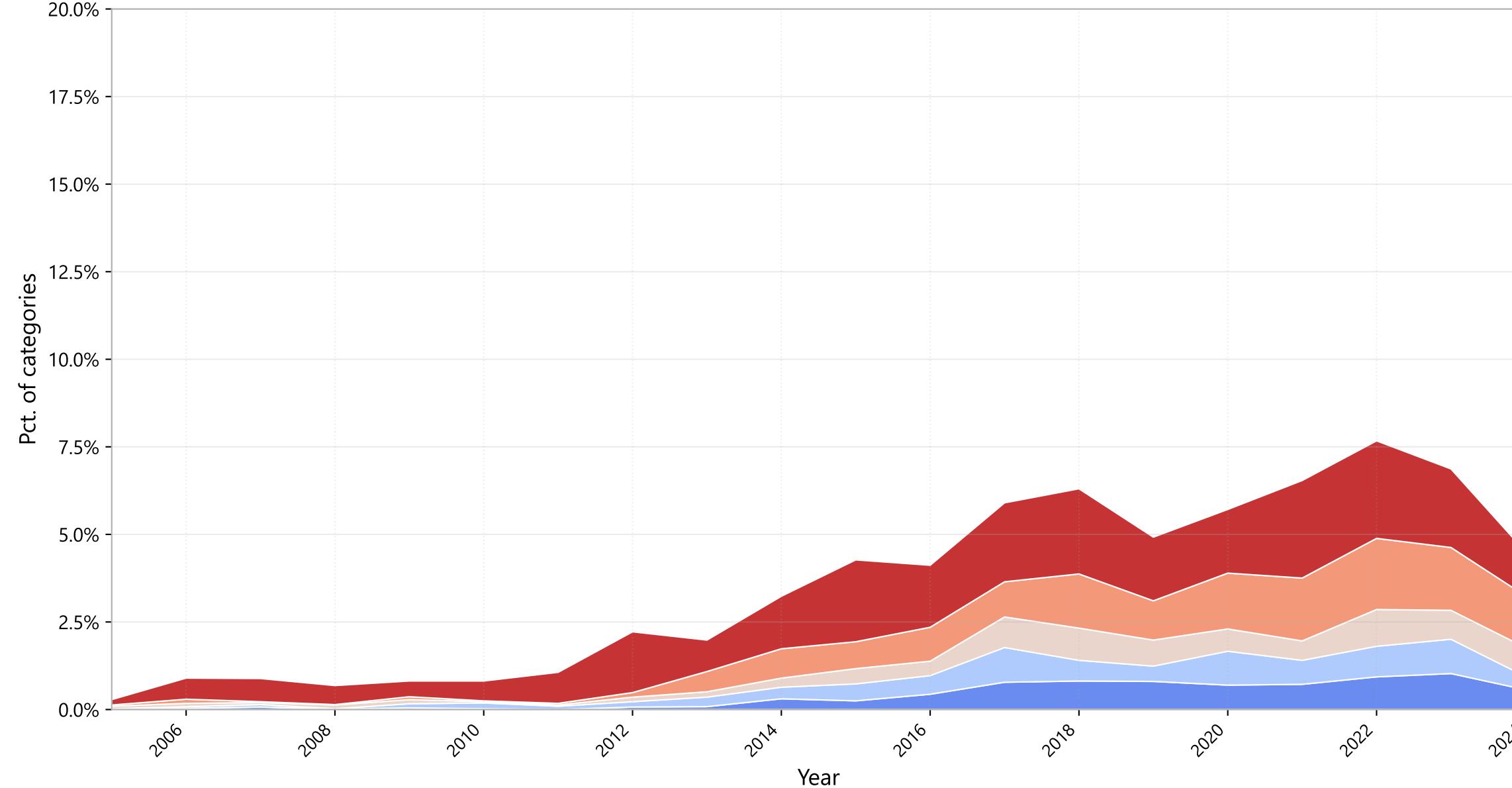
Revenue and Financial Growth

Direct increases in sales, revenue, profit margins, or other financial performance metrics from technology adoption.

Market Expansion and Adoption

Growth in market share, customer base, geographic reach, or penetration into new segments through technology uptake.

Effect — Technology = 3d printing(2002-2024)



Quality and Performance Enhancement

Improvements in product quality, part performance, and reliability.

Industry Adoption Evidence

Concrete examples of technology uptake across specific sectors or customers.

Cost Reduction and Efficiency

Decreases in operational expenses, manufacturing costs, or resource usage while improving process efficiency.

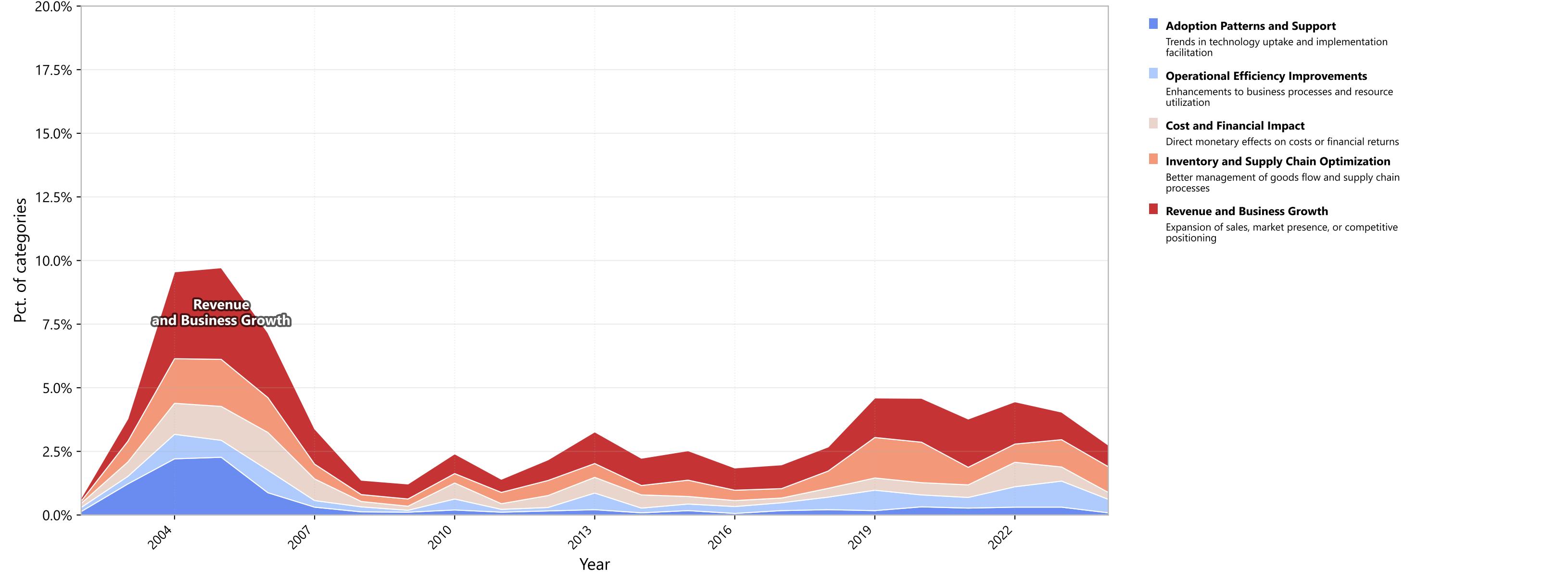
Operational Efficiency and Automation

Streamlining business processes, workflow improvements, productivity gains, and automation of manual tasks.

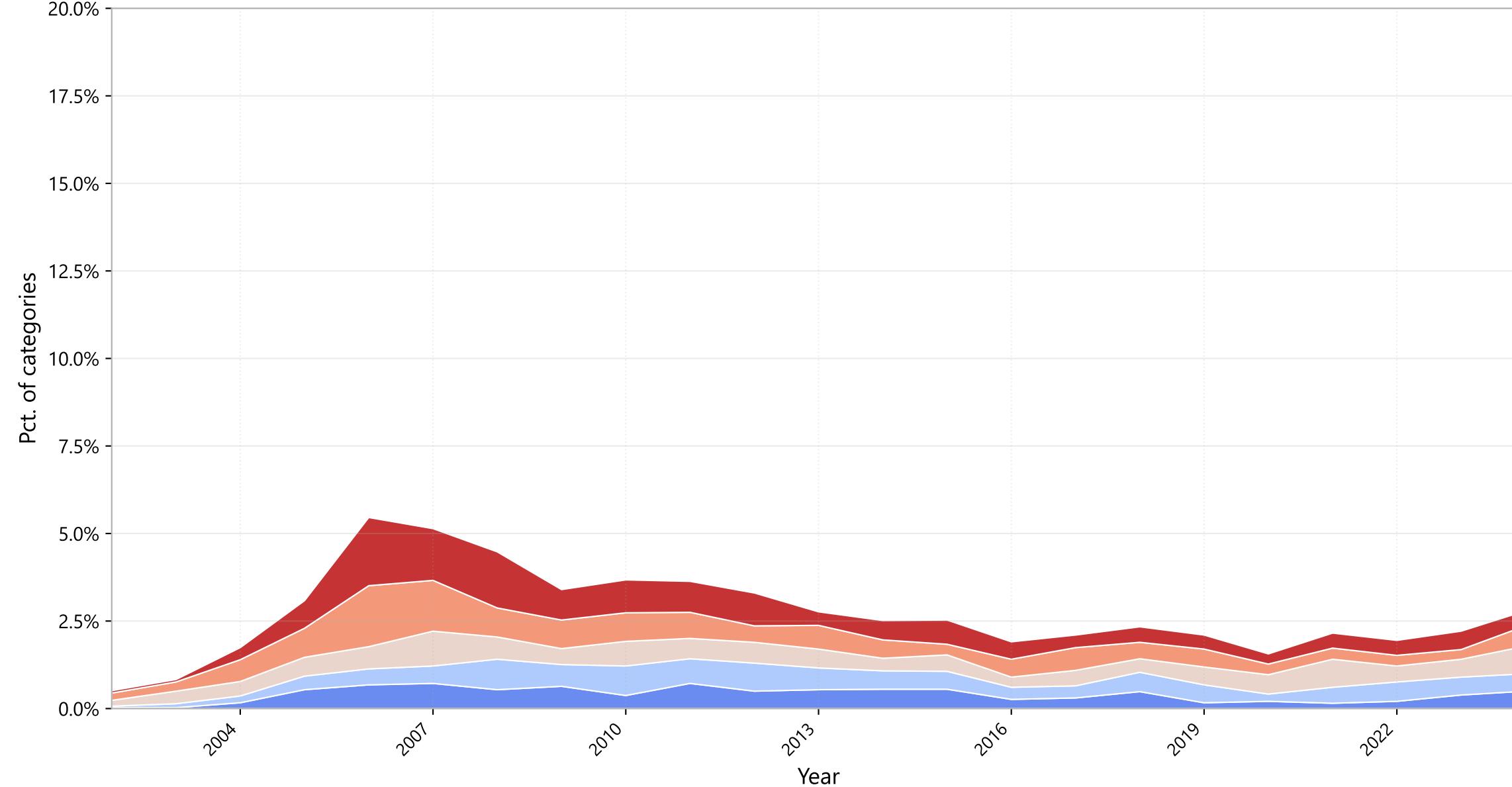
Market Expansion and Adoption

Growth in market share, customer base, geographic reach, or penetration into new segments through technology uptake.

Effect — Technology = Rfid tags(2002-2024)



Effect — Technology = Search Engine(2002-2024)



Negative Performance Outcomes

Declines or negative changes in traffic, revenue, market share, or user engagement from search.

Lead Generation and Conversion

Improvements in generating customer leads, inquiries, or converting visitors to desired actions.

User Experience Enhancement

Improvements in search quality, relevance, ease of use, or satisfaction for end users.

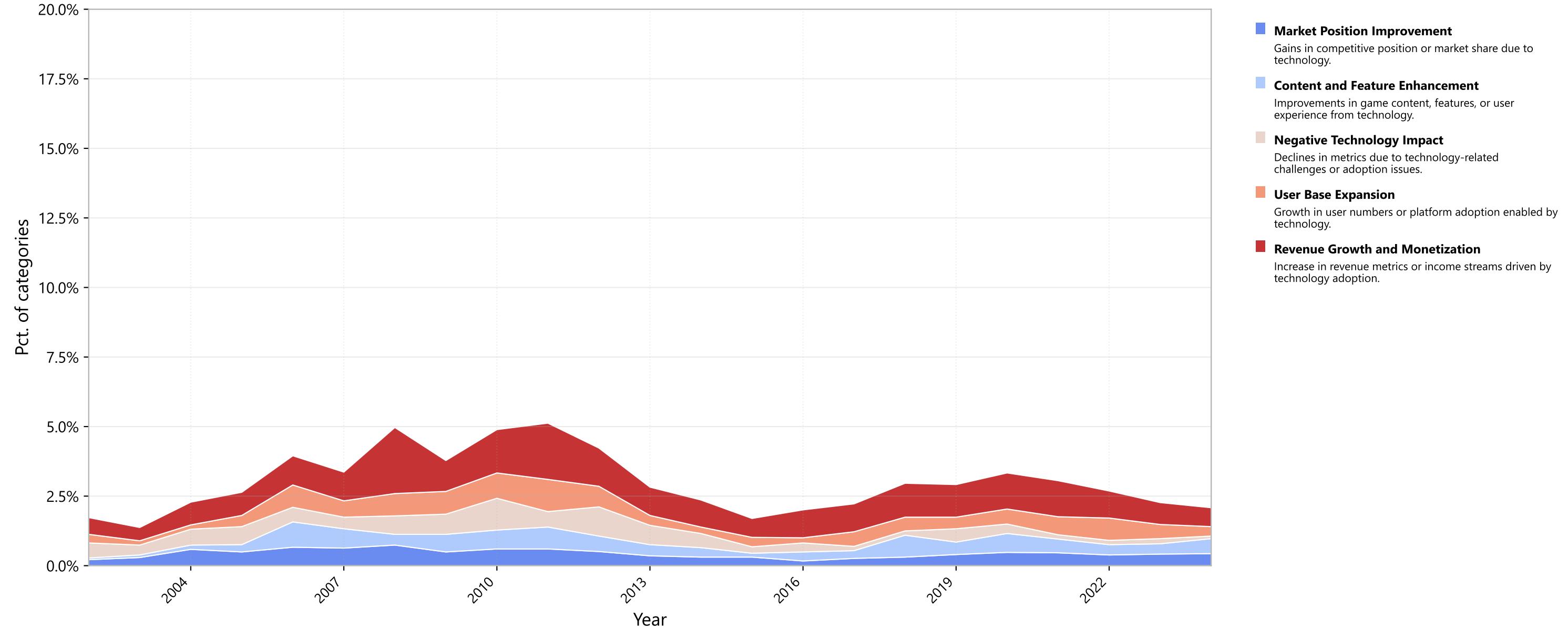
Revenue and Profit Impact

Direct financial outcomes including revenue growth, margins, or profitability from search adoption.

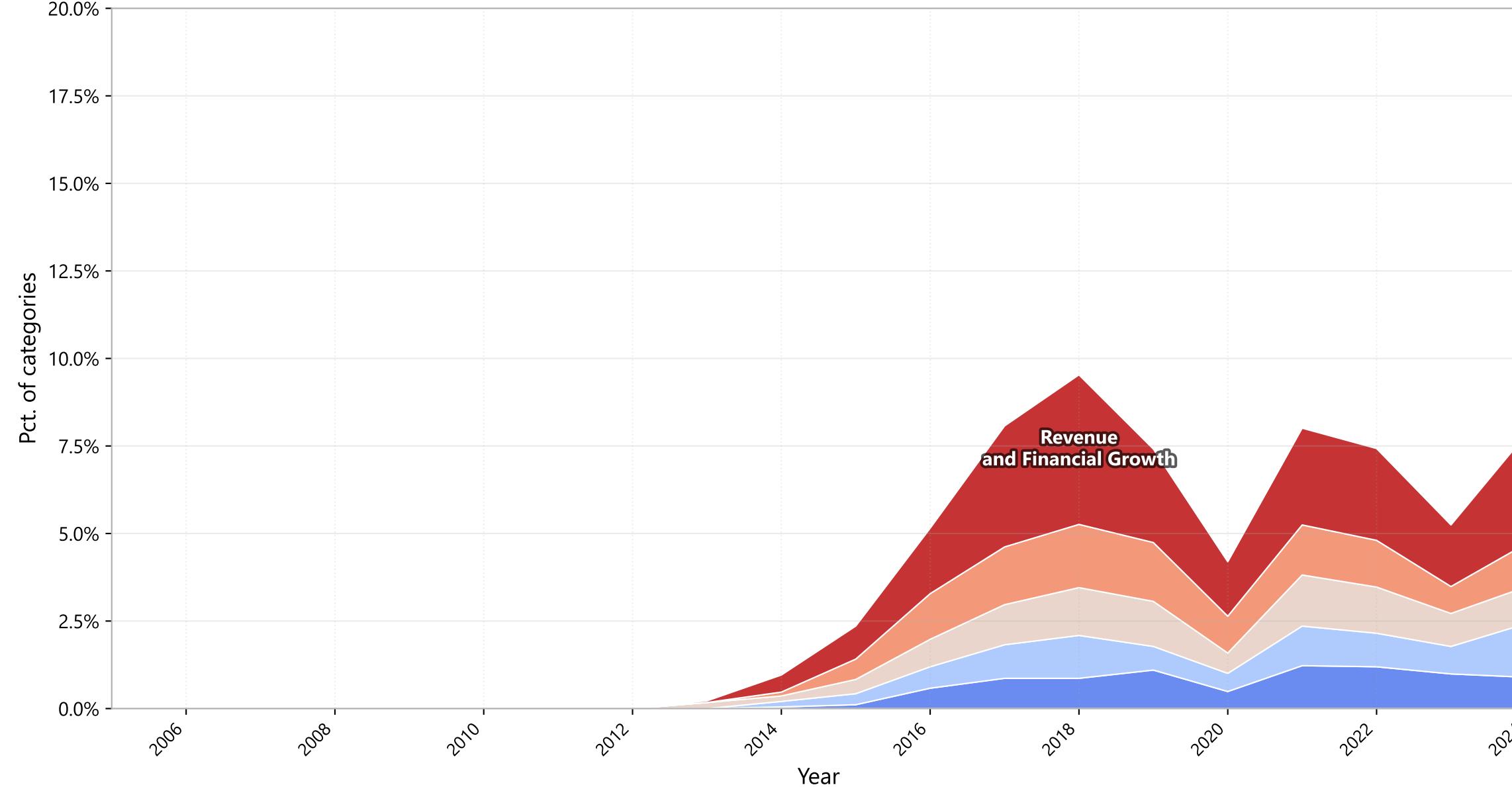
Traffic Volume Growth

Measures increases in user visits, sessions, or search-driven traffic to digital platforms.

Effect — Technology = Electronic gaming(2002-2024)



Effect — Technology = Autonomous Cars(2002-2024)



Cost Reduction and Efficiency

Decreases in operational expenses, manufacturing costs, or resource usage while improving process efficiency.

Customer Experience Enhancement

Improvements in user satisfaction, convenience, engagement, loyalty, and overall interaction quality.

Safety and Security Improvement

Reductions in risks, accidents, security threats, or enhancements in authentication and compliance measures.

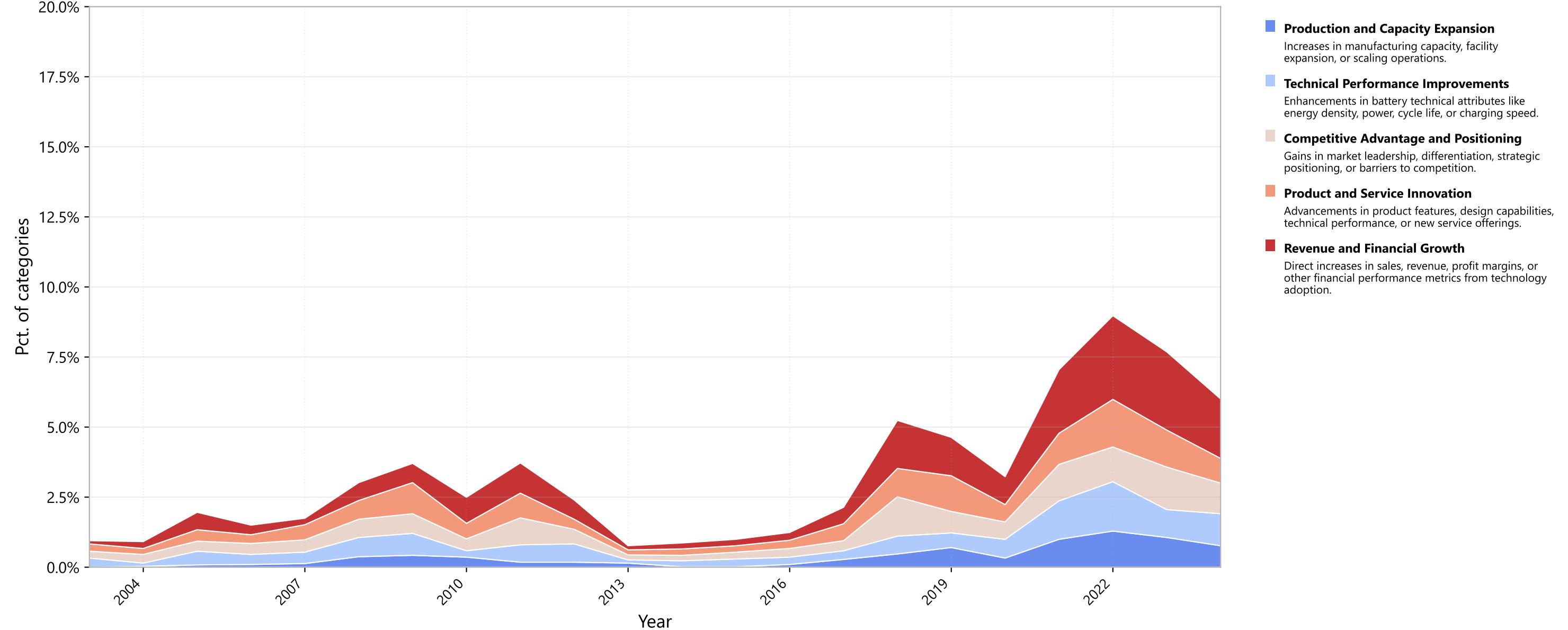
Market Dynamics and Demand

Market trends, demand patterns, expansion opportunities, and adoption rates

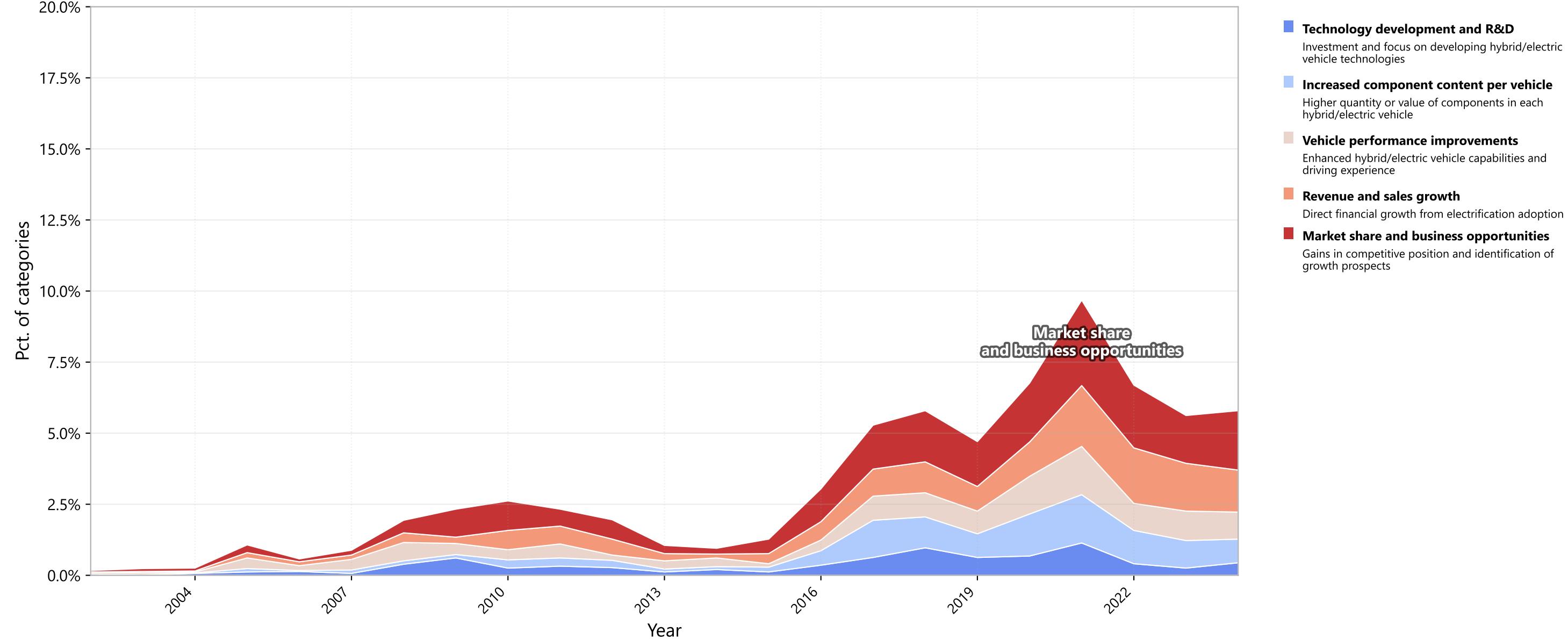
Revenue and Financial Growth

Direct increases in sales, revenue, profit margins, or other financial performance metrics from technology adoption.

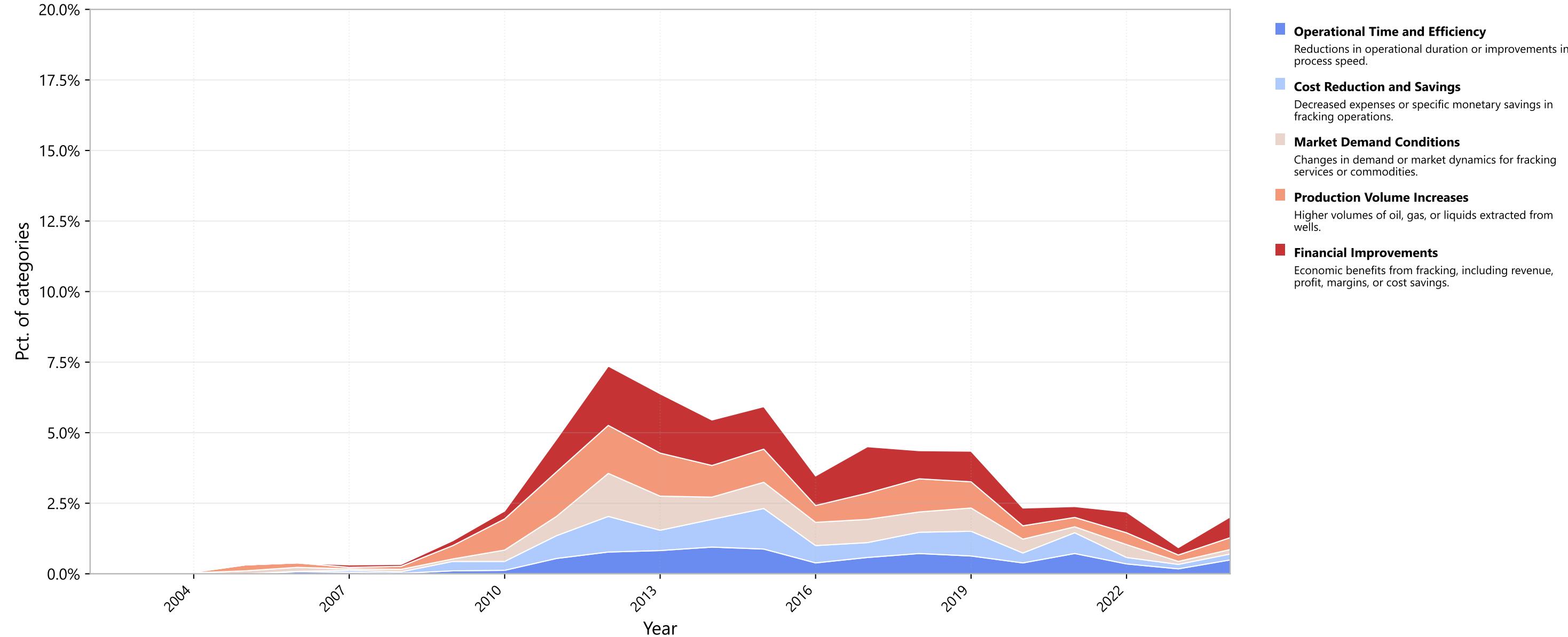
Effect — Technology = Lithium battery(2002-2024)



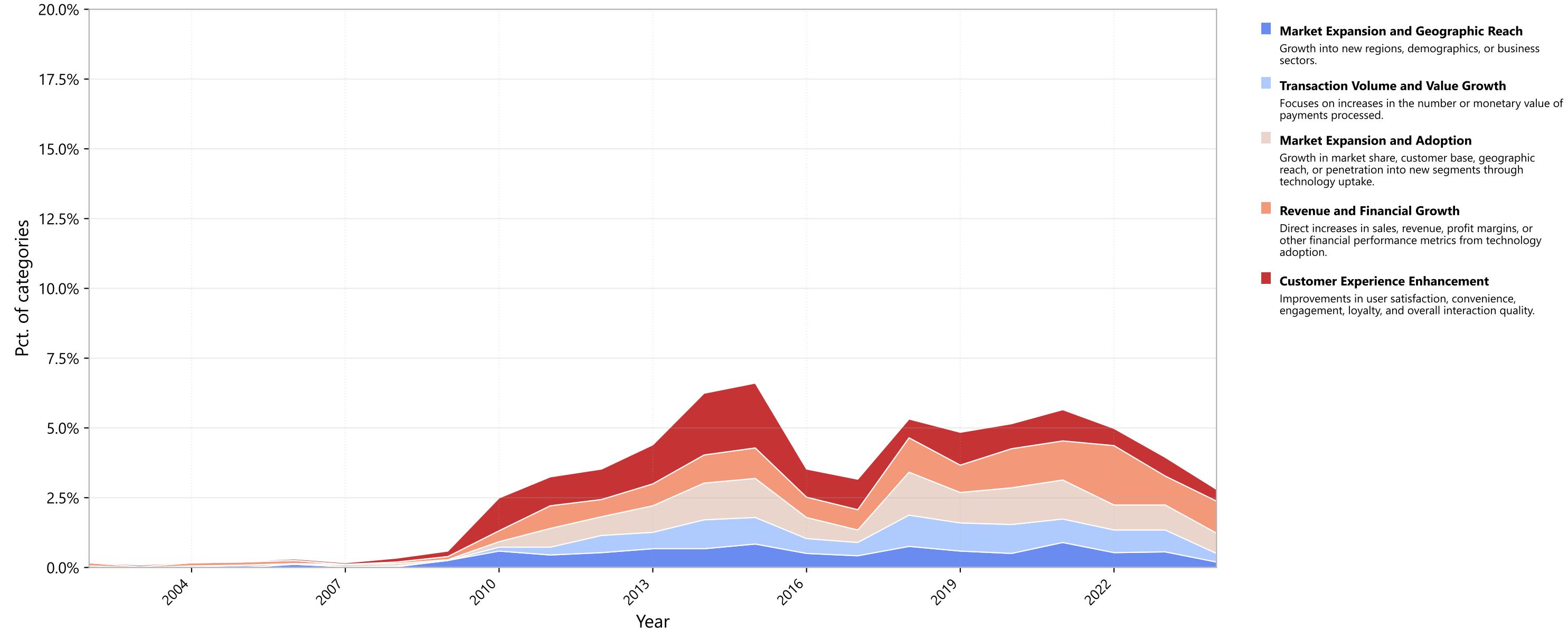
Effect — Technology = Hybrid vehicle electric car(2002-2024)



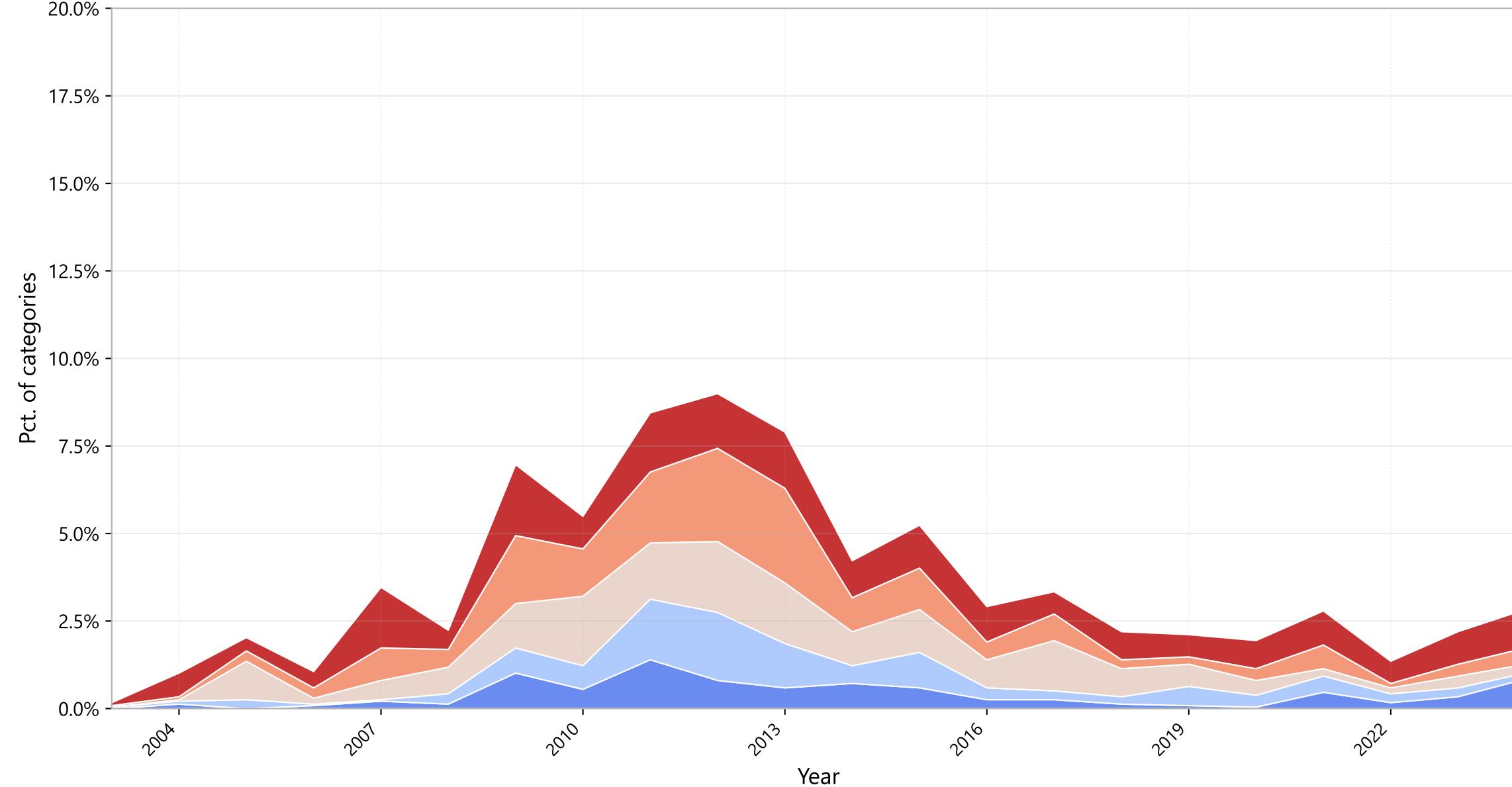
Effect — Technology = Fracking(2002-2024)



Effect — Technology = Mobile payment(2002-2024)



Effect — Technology = Touch screen(2002-2024)



Technical capability advances

Improvements in touch technology performance and functionality.

Cost Reduction and Efficiency

Decreases in operational expenses, manufacturing costs, or resource usage while improving process efficiency.

Revenue and Financial Growth

Direct increases in sales, revenue, profit margins, or other financial performance metrics from technology adoption.

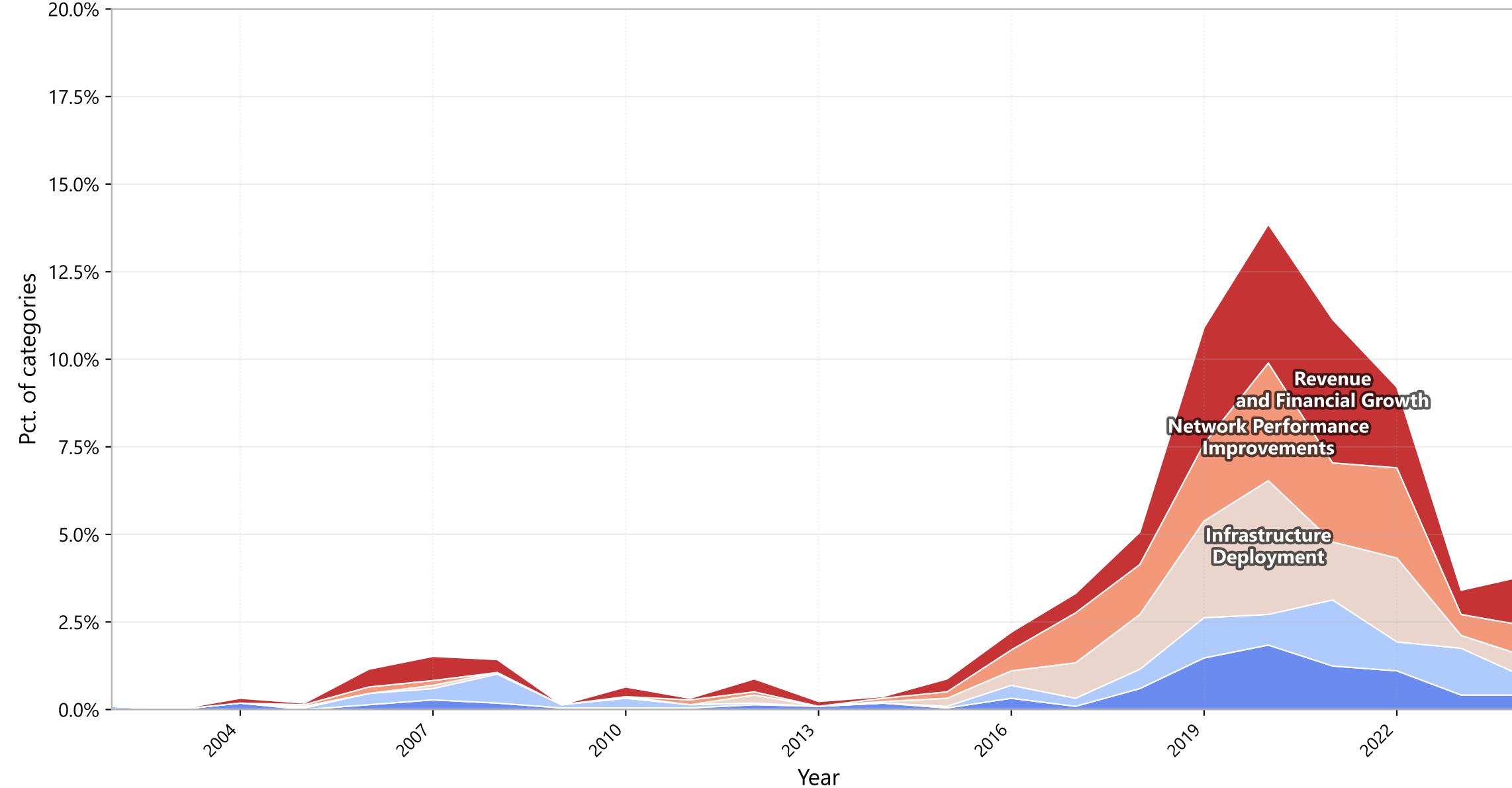
Market Expansion and Adoption

Growth in market share, customer base, geographic reach, or penetration into new segments through technology uptake.

Customer Experience Enhancement

Improvements in user satisfaction, convenience, engagement, loyalty, and overall interaction quality.

Effect — Technology = Millimeter wave(2002-2024)



Market Expansion and Adoption

Growth in market share, customer base, geographic reach, or penetration into new segments through technology uptake.

New Applications

Emerging use cases enabled by millimeter wave technology beyond basic connectivity.

Infrastructure Deployment

Physical rollout of network infrastructure including small cells, spectrum use, and coverage expansion.

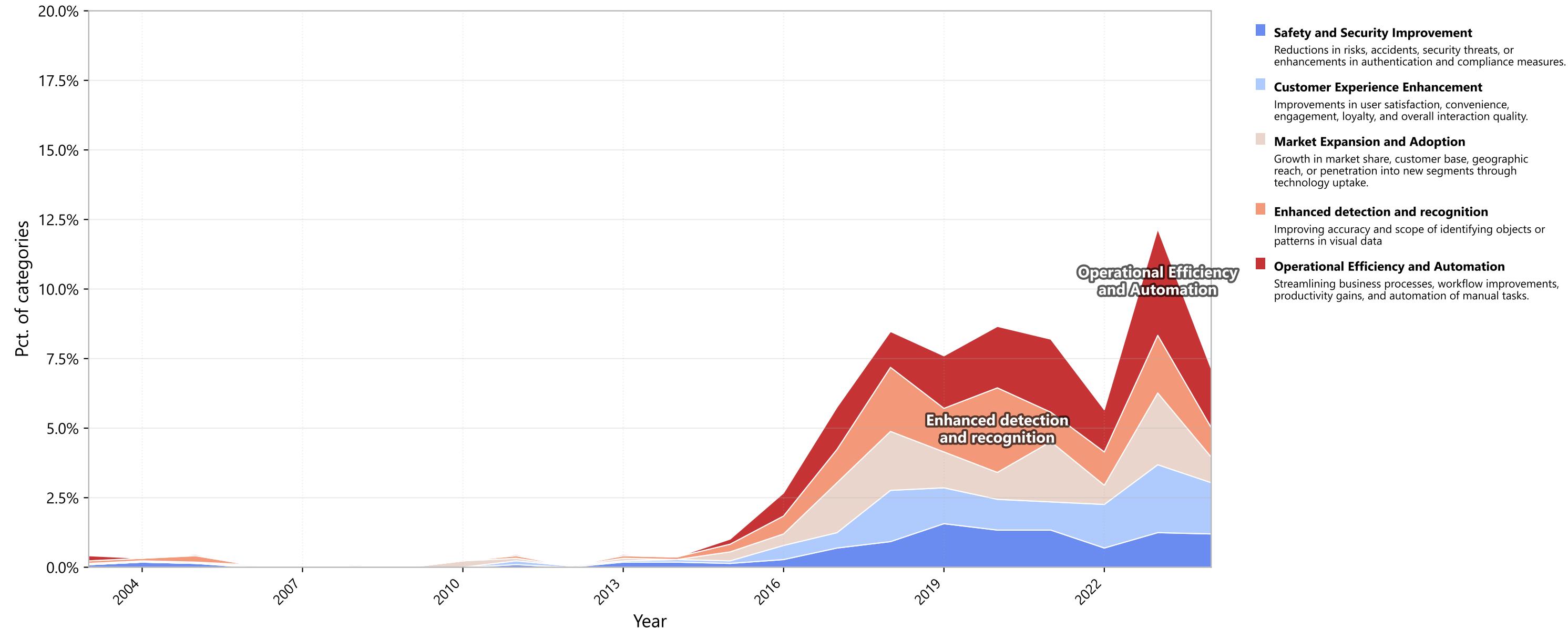
Network Performance Improvements

Enhancements in speed, capacity, latency, or reliability of millimeter wave networks.

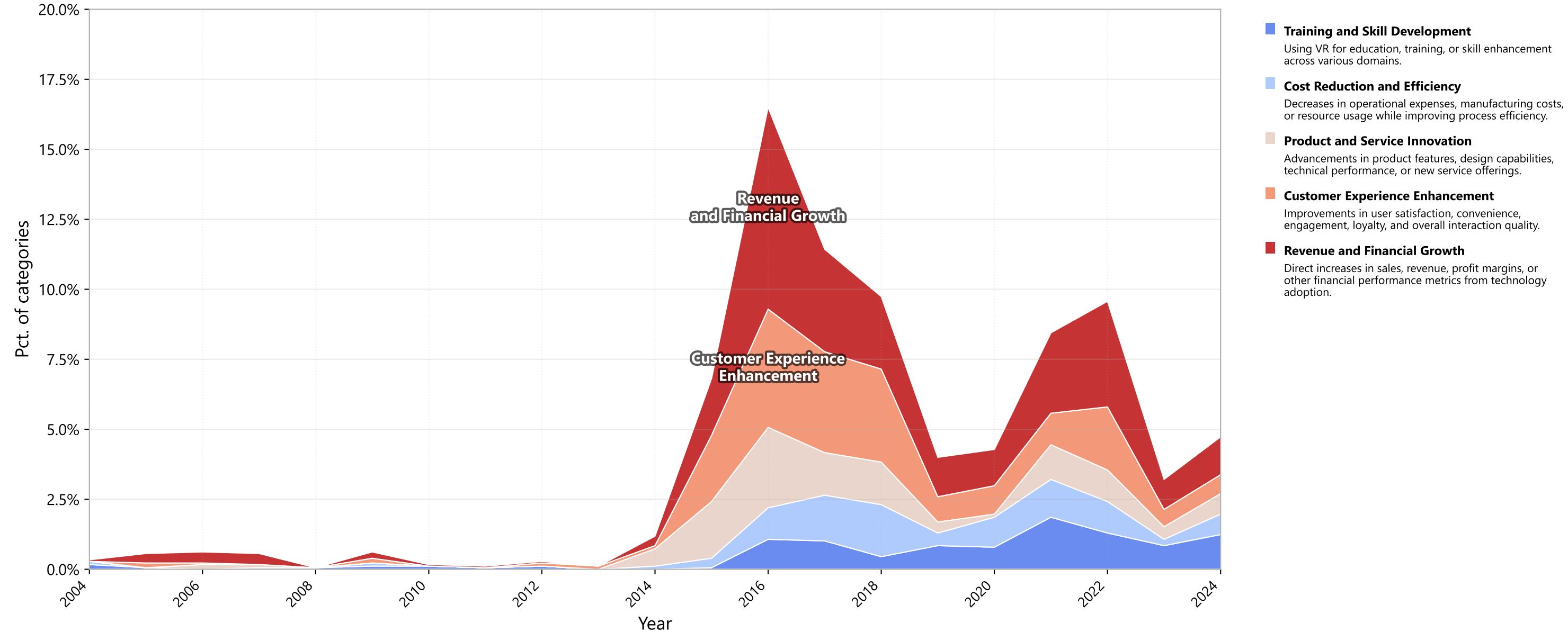
Revenue and Financial Growth

Direct increases in sales, revenue, profit margins, or other financial performance metrics from technology adoption.

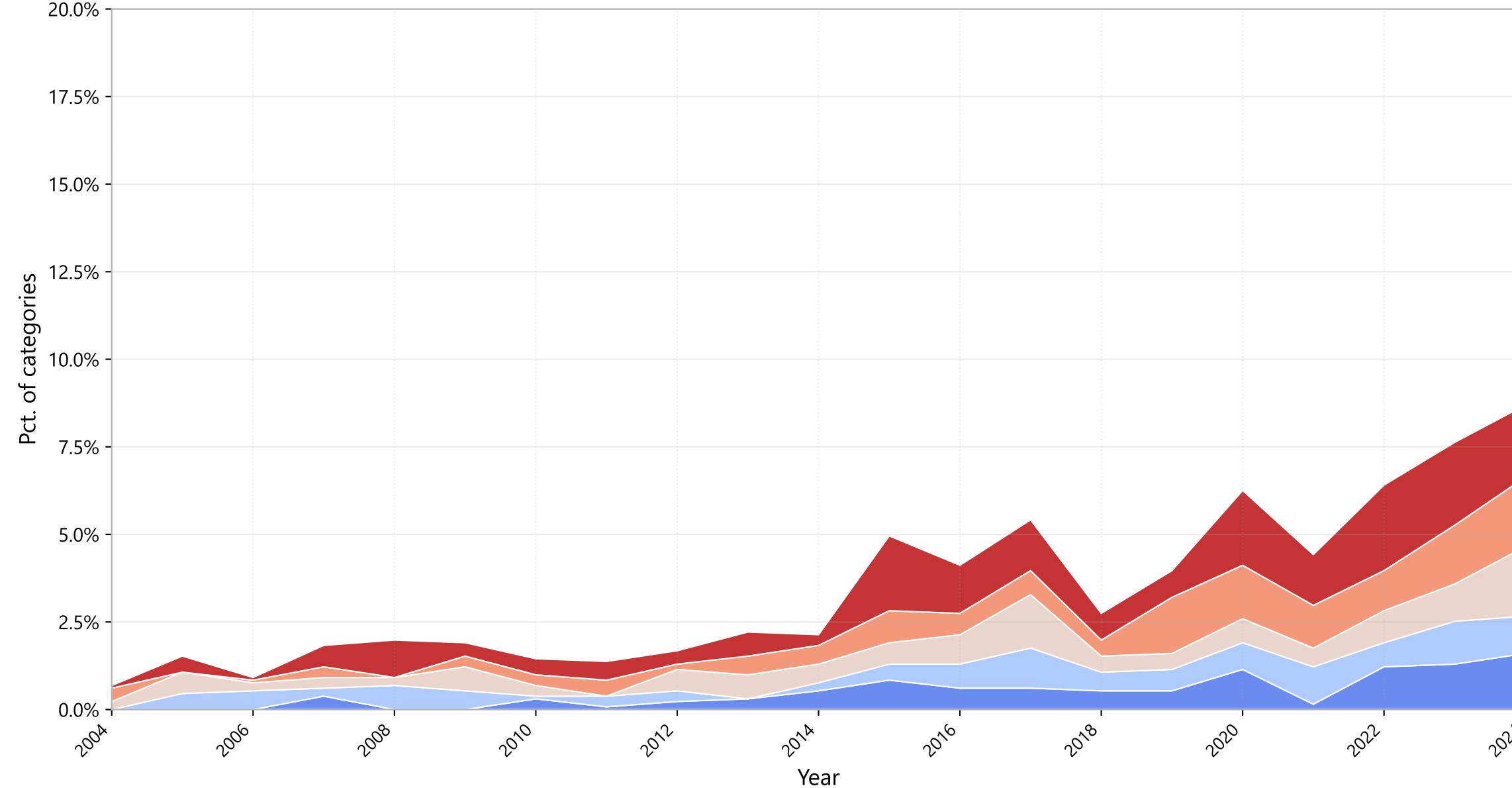
Effect — Technology = Computer vision(2002-2024)



Effect — Technology = Virtual Reality(2002-2024)



Effect — Technology = Drug conjugates(2002-2024)



Safety and Tolerability Profile

Characteristics related to treatment side effects and patient tolerance.

Clinical and Regulatory Milestones

Progress in clinical trials and regulatory interactions for drug development.

Business and Commercial Impact

Financial metrics and market-related outcomes from technology adoption.

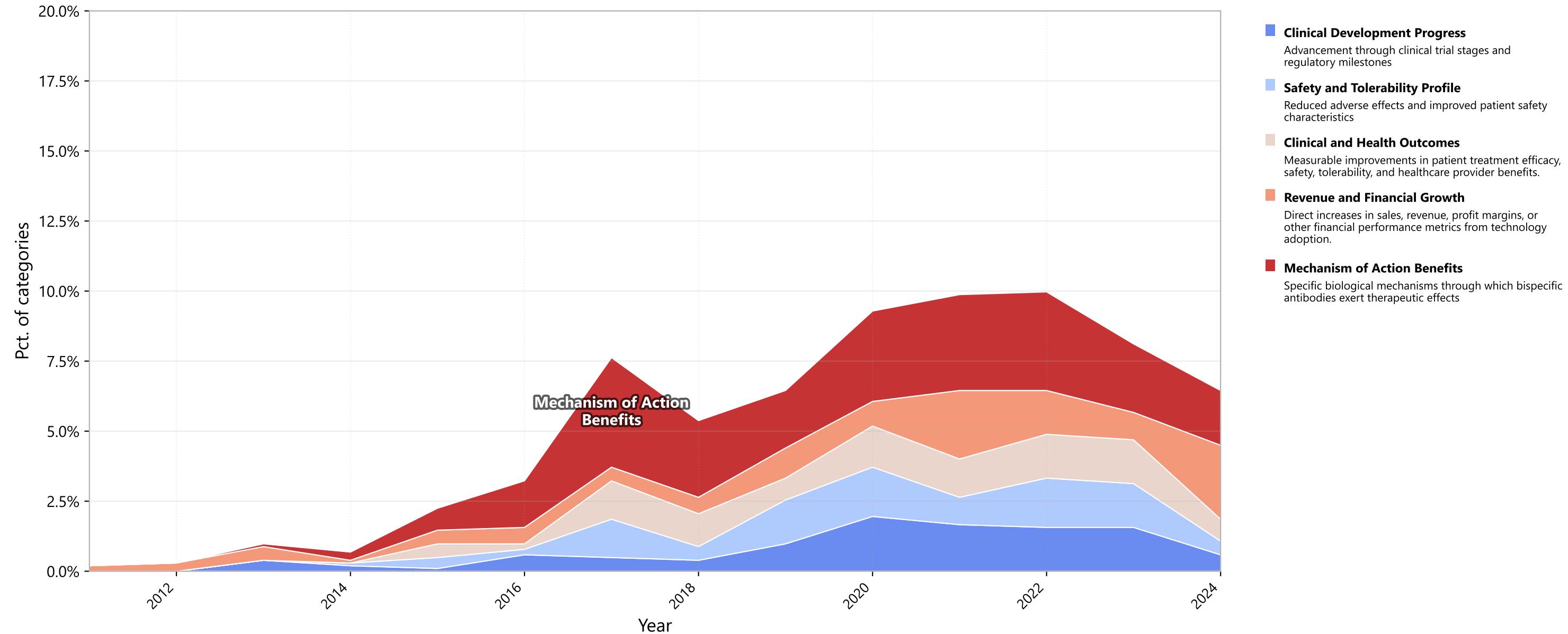
Targeted Delivery Mechanism

Technology enabling precise drug delivery to specific cells/tissues.

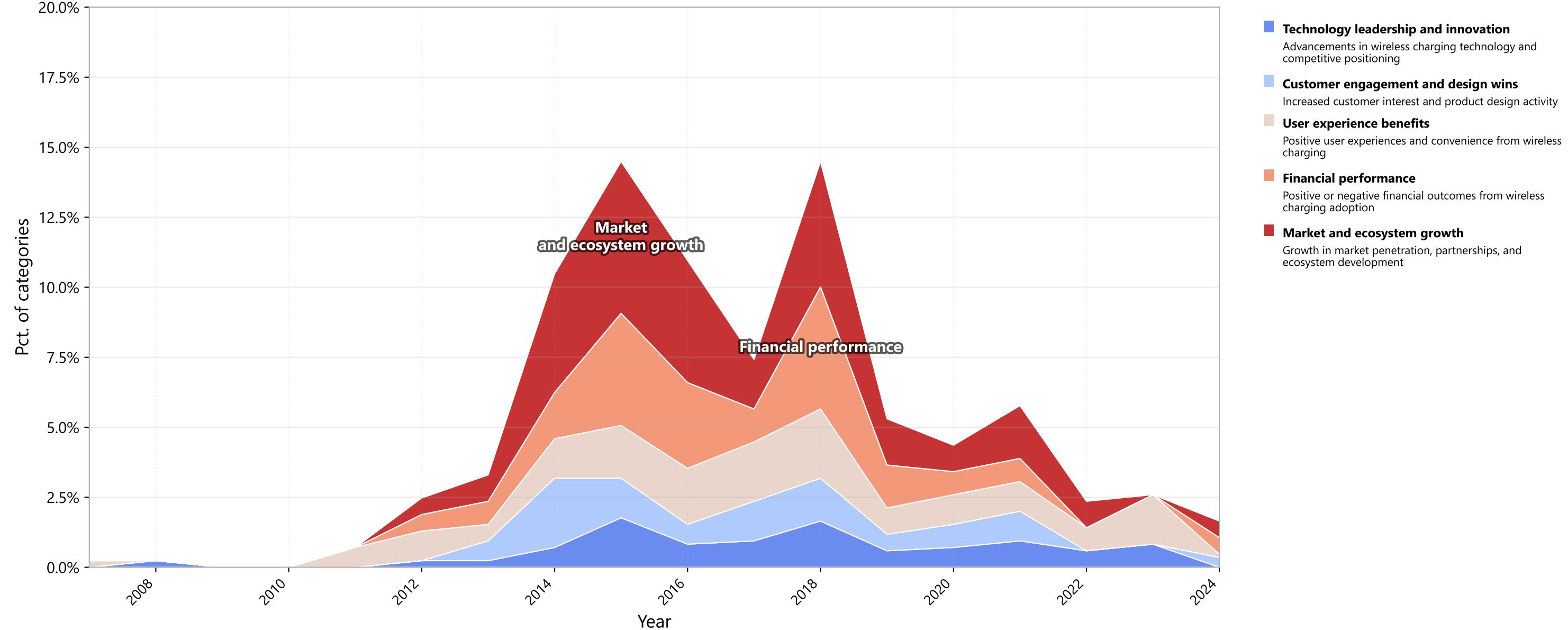
Clinical Efficacy Outcomes

Measures of treatment effectiveness in patient populations.

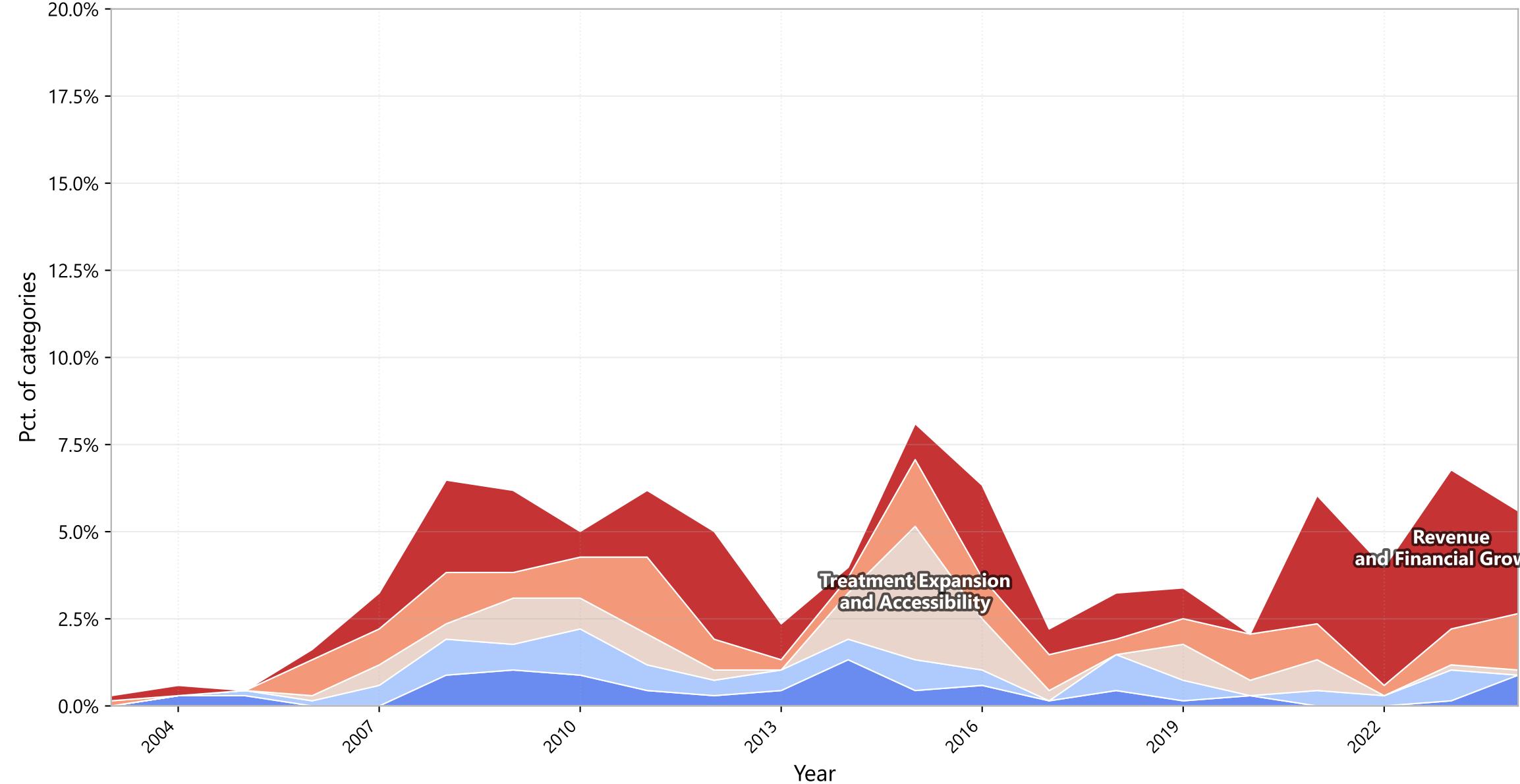
Effect — Technology = Bispecific monoclonal antibody(2002-2024)



Effect — Technology = Wireless charging(2002-2024)



Effect — Technology = Stent graft(2002-2024)



Clinical and Health Outcomes

Measurable improvements in patient treatment efficacy, safety, tolerability, and healthcare provider benefits.

Product Development and Launch

Covers regulatory approvals and commercial launches of stent grafts

Treatment Expansion and Accessibility

Focuses on expanding patient eligibility and stent graft applications

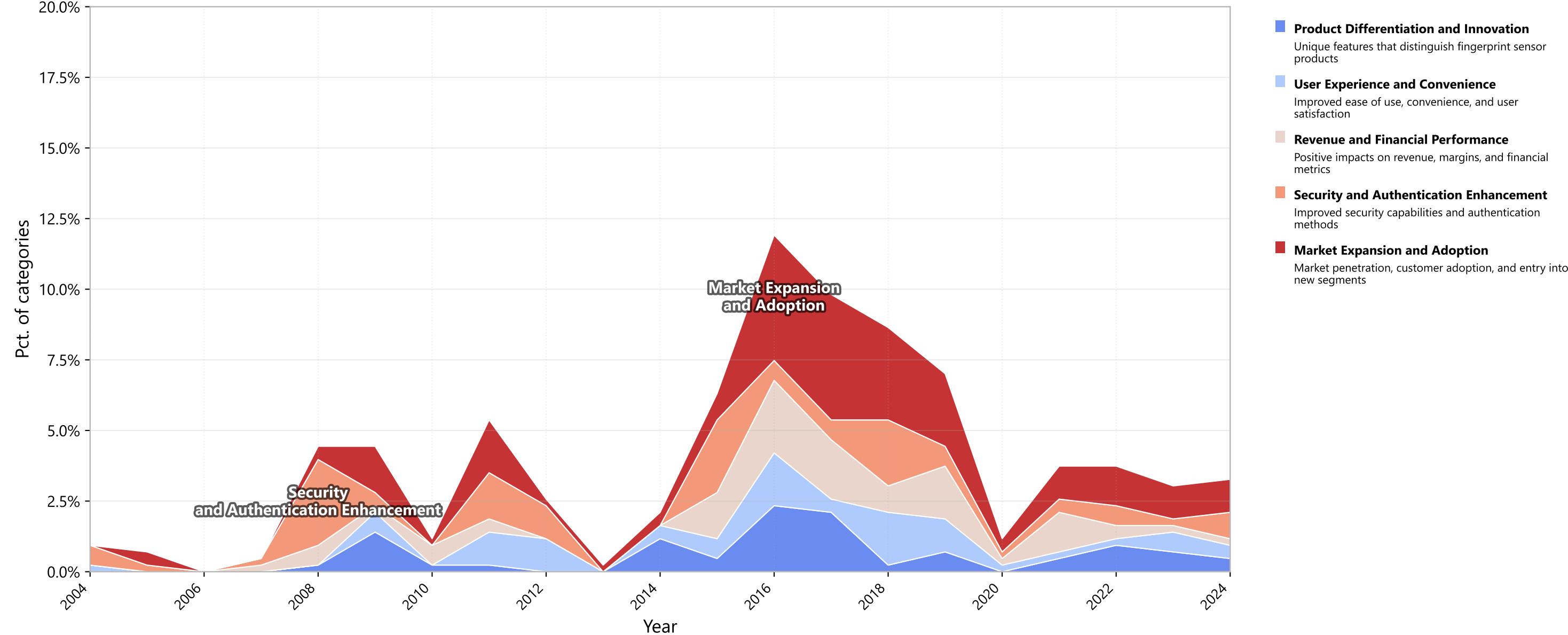
Competitive Advantage and Positioning

Gains in market leadership, differentiation, strategic positioning, or barriers to competition.

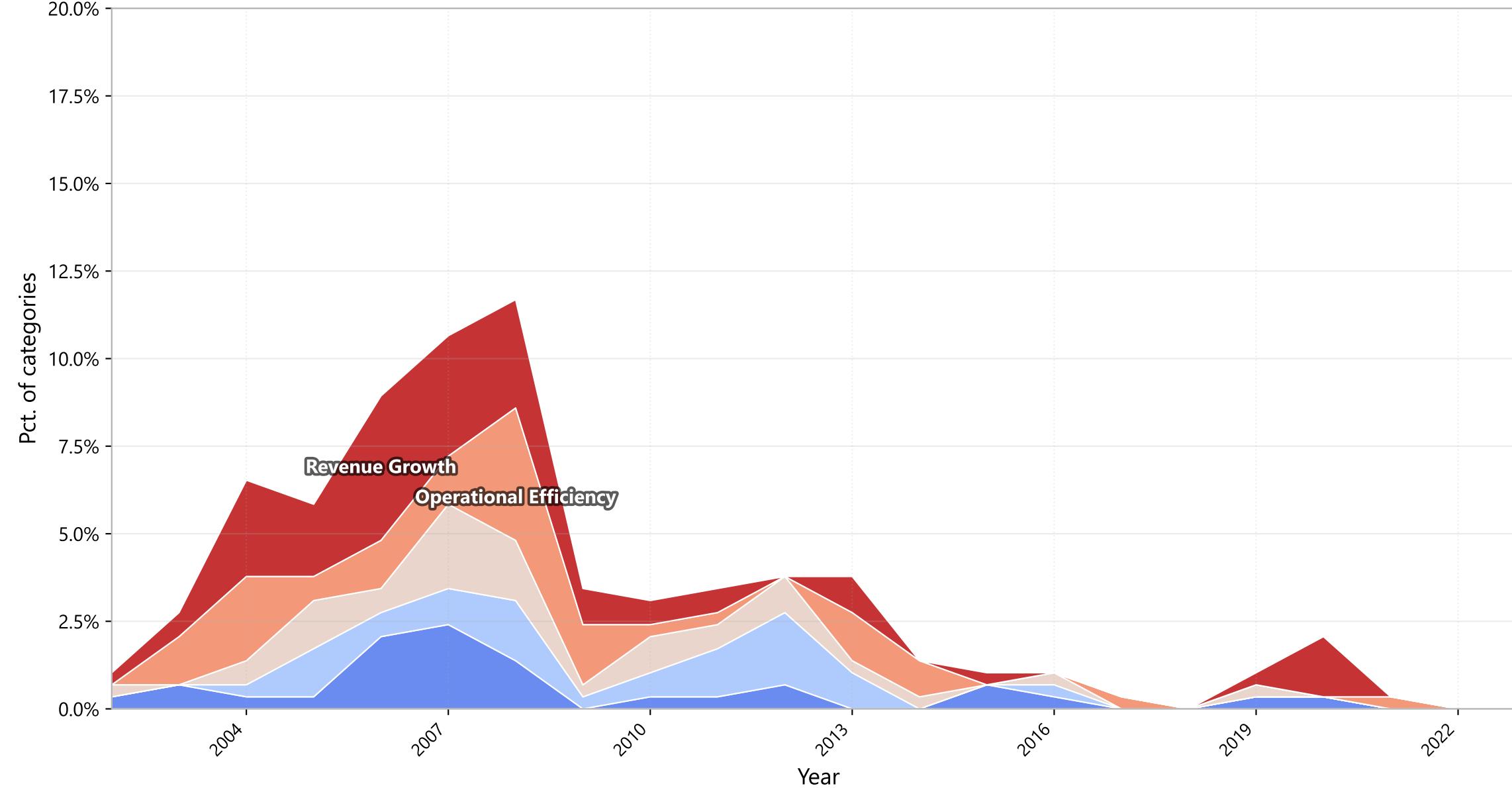
Revenue and Financial Growth

Direct increases in sales, revenue, profit margins, or other financial performance metrics from technology adoption.

Effect — Technology = Fingerprint sensor(2002-2024)



Effect — Technology = GPS(2002-2024)



Market Expansion

Growth in market segments, new verticals, and opportunities

Location Accuracy

Improvements in positioning precision and capabilities

GPS Technology Adoption

Uptake and integration of GPS technology in products

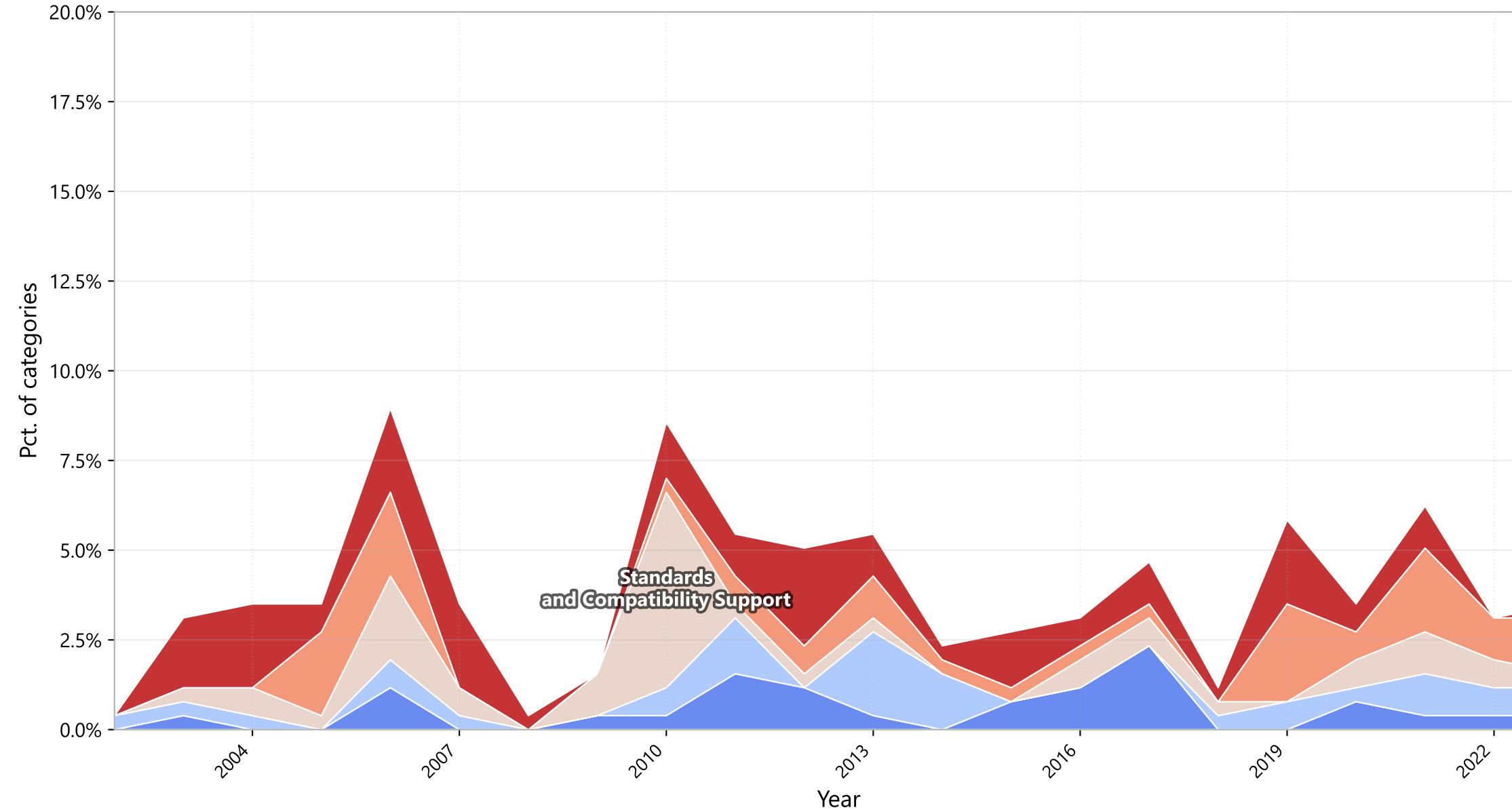
Operational Efficiency

Enhancements in business processes and resource utilization

Revenue Growth

Financial growth, sales results, and market position

Effect — Technology = Software defined radio(2002-2024)



Time-to-Market Acceleration

Reductions in development cycles, faster commercialization, deployment speed, and product launch timelines.

Market Expansion and Adoption

Growth in market share, customer base, geographic reach, or penetration into new segments through technology uptake.

Standards and Compatibility Support

Enabling adherence to multiple wireless standards or future compatibility for SDR.

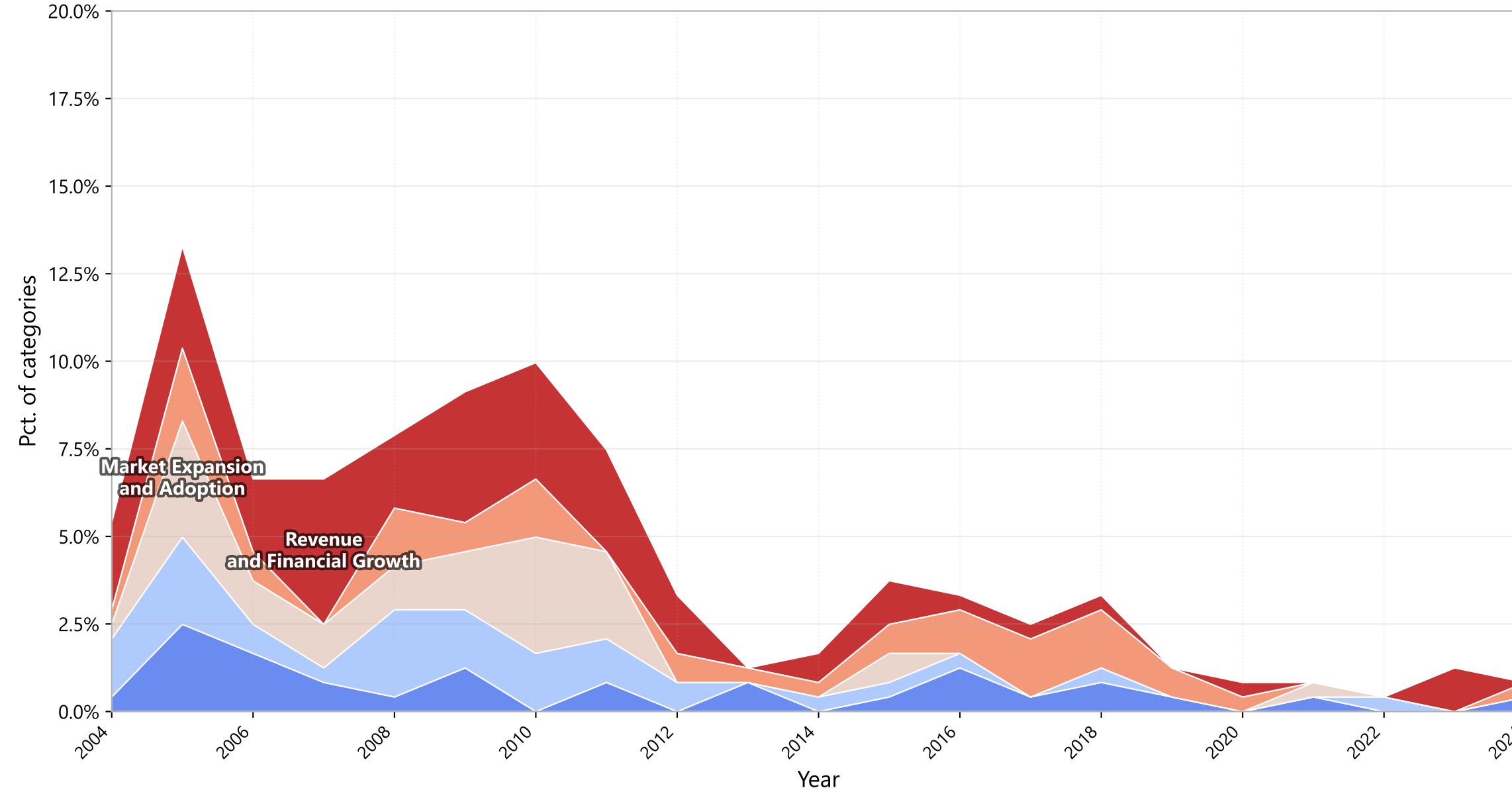
Technical Performance Enhancement

Improving capabilities like speed, power, efficiency, or reliability of SDR systems.

Revenue and Financial Growth

Direct increases in sales, revenue, profit margins, or other financial performance metrics from technology adoption.

Effect — Technology = Lane departure warning(2002-2024)



Safety and Security Improvement

Reductions in risks, accidents, security threats, or enhancements in authentication and compliance measures.

Competitive Advantage and Positioning

Gains in market leadership, differentiation, strategic positioning, or barriers to competition.

Market Expansion and Adoption

Growth in market share, customer base, geographic reach, or penetration into new segments through technology uptake.

Driver safety enhancement

Improvements in driver awareness, alert responsiveness, or behavior through lane departure alerts.

Revenue and Financial Growth

Direct increases in sales, revenue, profit margins, or other financial performance metrics from technology adoption.