

NP 07.07 **MISUSE** · Al-driven unfair competitive practices 12 Unauthorized surveillance in logistics **DILEMMAS** Manipulation of Al for illicit trade Biased Al in logistics decision-making Al automation vs. human employment in logistics? Over-reliance on Al predictions Balancing efficiency with environmental impact? 13 Ensuring data privacy in Al-driven logistics? ORG. REQUIREMENTS 14 STEP BY STEP AI · Leadership commitment to Al integration Continuous investment in Al technology Identify Al applications in logistics Collaboration between logistics and tech sectors Invest in appropriate AI technology Skilled personnel for Al operations Train staff in Al and logistics Strong focus on cybersecurity and data privacy Implement AI tools in operations 15 Regularly assess and adapt Al solutions BEST PRACTICES 16 AI MODELS · Start with pilot Al projects Prioritize data security in Al applications Machine learning for demand forecasting Engage stakeholders in Al initiatives Neural networks in route optimization Continuous monitoring and adaptation Al algorithms for inventory management Foster a culture of innovation and sustainability Predictive analytics in fleet management 17 Decision trees for logistics problem-solving DIGITAL TWINS 18 GLOBAL LEADERS · Digital twins of logistics networks Virtual models of warehouses United States (Innovative logistics technologies) Al simulations for supply chain management China (Massive e-commerce logistics) Digital replicas of transport vehicles Germany (Efficient supply chain management) Virtual last-mile delivery scenarios Singapore (Hub for global trade logistics) 19 Netherlands (Advanced transportation and logistics) FUTURE JOBS 20 THE FUTURE OF AI Al logistics strategists Autonomous vehicle operators Fully autonomous logistics operations Supply chain data analysts Al-driven global supply chain networks Sustainability managers in logistics Advanced Al in sustainable logistics Al technology specialists in logistics Al for real-time demand-response logistics 21 Enhanced customer experience with Al RECOMMENDED READING 22 TED TALKS "The New (Ab)Normal": (Sheffi). "Supply Chain Management": (Chopra, Meindl). "Al Lessons from Fish Schools" - Radhika Nagpal "Logistics & Supply Chain Management": (Christopher). "Building and Boring the Future" - Elon Musk "The Al Advantage": (Davenport). "Eco-Friendly Supply Chains" - Markus Mutz "Al Superpowers": Al impact perspectives (Lee). "The Mind of Musk: Tesla, SpaceX, SolarCity" - Elon Musk 23 "Al for Equality" - Jamila Gordon ONLINE RESOURCES 24 NEXT STEPS Logistics Management: Logistics News & Info • Inbound Logistics: Supply Chain Resources Engage with Al technology. Supply Chain Dive: Trends & News Identify opportunities for Al application. Supply Chain Quarterly: Strategy & Research Invest in Al education and training. American Journal of Transportation: Trade & Logistics News Please contact us at hello@nextpaper.me for further exploration or inspiration through a talk, workshop or case study. We'd love to help! Applied AI GISTIC