

Terms	Program Area	Definitions	Source	Notes
Academic Integrity Systems	Education	AI tools that detect plagiarism and ensure the originality of student work, promoting academic honesty and integrity.	Turnitin	ChatGPT generated. Needs verification
Adaptive Learning Platforms	Education	AI-driven educational platforms that adjust the learning content and pace based on a student's performance, providing a personalized learning experience.	Educause	ChatGPT generated. Needs verification
Adaptive Learning Systems	Education	AI-based systems that adjust the difficulty level of educational content in real-time based on the student's performance, ensuring optimal learning challenges.	International Society for Technology in Education (ISTE)	ChatGPT generated. Needs verification
Advanced Driver Assistance Systems (ADAS)	Transportation	AI-powered systems that assist drivers in making safe decisions on the road, such as lane-keeping, adaptive cruise control, and automatic emergency braking.	Society of Automotive Engineers (SAE) International	ChatGPT generated. Needs verification
Affordable Housing Allocation	Housing and Homelessness	AI systems that assist in the fair and efficient distribution of affordable housing units based on eligibility criteria such as income, family size, and urgency of need.	Urban Institute	ChatGPT generated. Needs verification
AI Driven Interviewing	Labor, Employment, and Unemployment	AI technologies that conduct or assist with interviews by analyzing candidates' responses, tone, and facial expressions to assess their suitability for a role.	Harvard Business Review	ChatGPT generated. Needs verification
AI Generated Content	General Use	(1) (a) "AI-generated content" means image, video, audio, multimedia, or text content that is substantially created or modified by generative artificial intelligence such that the use of generative artificial intelligence alters the meaning or significance that a reasonable person would take away from the content. (b) "AI-generated content" does not include image, video, audio, multimedia, or text content that is minimally edited, adjusted, or enhanced by generative artificial intelligence such that the use of generative artificial intelligence does not materially alter the meaning or significance that a reasonable person would take away from the content.	Colorado - Colo. Rev. Stat. §1-46-102	
AI-Driven Career Services	Education	AI platforms that analyze student skills, preferences, and market trends to provide personalized career advice, job matching, and resume building assistance. (8) As used in this section, unless the context otherwise requires: (a) "Algorithm" means a computational or machine learning process that informs human decision making in insurance practices. (d) "Predictive model" means a process of using mathematical and computational methods that examine current and historical data sets for underlying patterns and calculate the probability of an outcome.	National Association of Colleges and Employers (NACE)	ChatGPT generated. Needs verification
Algorithm	General Use	(d) "Predictive model" means a process of using mathematical and computational methods that examine current and historical data sets for underlying patterns and calculate the probability of an outcome.	Colo. Rev. Stat. §10-3-1104.9	
Algorithm	General Use	(1) "Algorithm" means a computerized procedure consisting of a set of steps used to accomplish a determined task. (a) Definitions. As used in this section: (1) "Algorithm" means a computerized procedure consisting of a set of steps used to accomplish a determined task.	Texas Government Code Ann. §2054.621	
Algorithmic Accountability	General Use	Refers to the responsibility of entities using AI algorithms to ensure transparency, fairness, and ethical standards in automated decision-making processes.	Vt. Stat. Ann. tit. 3, §3305	
Algorithmic Accountability	General Use	The responsibility of entities using AI algorithms to ensure transparency, fairness, and ethical standards in automated decision-making processes. (1) Definitions. As used in this section, unless context otherwise requires: (a) "Algorithmic discrimination" means any condition in which the use of an automated decision system or artificial intelligence system results in an unlawful differential treatment or impact that disfavors an individual or a group of individuals on the basis of their actual or perceived age, color, disability, ethnicity, genetic information, limited proficiency in the English language, national origin, race, religion, reproductive health, sex, veteran status, or other classification protected under the laws of this state or under federal law.	California AB-13, 2021 Algorithmic Accountability Act of 2022	ChatGPT generated. Needs verification ChatGPT generated. Needs verification
Algorithmic Discrimination	General Use	As used in this part 17, unless the context otherwise requires: (1) (a) "Algorithmic discrimination" means any condition in which the use of an artificial intelligence system results in an unlawful differential treatment or impact that disfavors an individual or group of individuals on the basis of their actual or perceived age, color, disability, ethnicity, genetic information, limited proficiency in the English language, national origin, race, religion, reproductive health, sex, veteran status, or other classification protected under the laws of this state or federal law. (b) "algorithmic discrimination" does not include: (I) the offer, license, or use of a high-risk artificial intelligence system by a developer or deployer for the sole purpose of: (A) the developer's or deployer's self-testing to identify, mitigate, or prevent discrimination or otherwise ensure compliance with state and federal law; or (B) expanding an applicant, customer, or participant pool to increase diversity or redress historical discrimination; or (II) an act or omission by or on behalf of a private club or other establishment that is not in fact open to the public, as set forth in Title II of the federal "Civil Rights Act of 1964", 42 U.S.C. sec. 2000a (e), as amended.	Colo. Rev. Stat. §2-3-1707	
Algorithmic Discrimination	General Use	(1) "Algorithmic discrimination" (A) means any condition in which an artificial intelligence system materially increases the risk of any unjustified differential treatment or impact that disfavors any individual or group of individuals on the basis of their actual or perceived age, color, disability, ethnicity, genetic information, limited proficiency in the English language, national origin, race, religion, reproductive health, sex, veteran status or other classification protected under the laws of this state, and (B) does not include (i) any offer, license or use of an artificial intelligence system by a developer or deployer for the sole purpose of (I) the developer's or deployer's self-testing to identify, mitigate or prevent discrimination or otherwise ensure compliance with state and federal law, or (II) expanding an applicant, customer or participant pool to increase diversity or redress historic discrimination, or (ii) any act or omission by or on behalf of a private club or other establishment not in fact open to the public, as set forth in Title II of the Civil Rights Act of 1964, 42 USC 2000a(e), as amended from time to time.	Colo. Rev. Stat. §6-1-1701	
Algorithmic Discrimination	General Use	(1) "Algorithmic discrimination" (A) means any condition in which an artificial intelligence system materially increases the risk of any unjustified differential treatment or impact that disfavors any individual or group of individuals on the basis of their actual or perceived age, color, disability, ethnicity, genetic information, limited proficiency in the English language, national origin, race, religion, reproductive health, sex, veteran status or other classification protected under the laws of this state, and (B) does not include (i) any offer, license or use of an artificial intelligence system by a developer or deployer for the sole purpose of (I) the developer's or deployer's self-testing to identify, mitigate or prevent discrimination or otherwise ensure compliance with state and federal law, or (II) expanding an applicant, customer or participant pool to increase diversity or redress historic discrimination, or (ii) any act or omission by or on behalf of a private club or other establishment not in fact open to the public, as set forth in Title II of the Civil Rights Act of 1964, 42 USC 2000a(e), as amended from time to time.	Connecticut SB 2 (2024)	
Anomaly Detection	Energy	AI techniques that identify irregular patterns in energy data, such as equipment faults or unusual energy consumption, enabling quick response to potential issues.	IEEE Smart Grid	ChatGPT generated. Needs verification
Artificial Intelligence (AI)	General Use	(1) "Artificial intelligence" or "artificial intelligence system" means any machine-based system that, for any explicit or implicit objective, infers, from the inputs the system receives, how to generate outputs, including content, decisions, predictions, or recommendations, that can influence physical or virtual environments.	Colo. Rev. Stat. §2-3-1701 and 2024 Chapter 467	
Artificial Intelligence (AI)	General Use	As used in this chapter: (2) "Artificial intelligence" means a machine-based system that makes predictions, recommendations, or decisions influencing real or virtual environments. (8) The definitions in this subsection apply throughout this section unless the context clearly requires otherwise.	Utah Code Ann. §13-72-101	
Artificial Intelligence (AI)	General Use	(a) "Artificial intelligence" means the use of machine learning and related technologies that use data to train statistical models for the purpose of enabling computer systems to perform tasks normally associated with human intelligence or perception, such as computer vision, speech or natural language processing, and content generation.	Washington - 2024 Chapter 163	
Artificial Intelligence (AI)	General Use	(3) "Artificial intelligence technology" means a computer system, application, or other product that uses or incorporates one or more forms of artificial intelligence. (a) For the purposes of this section:	Utah Code Ann. §13-72-101	
Artificial Intelligence (AI)	General Use	(1) "Artificial intelligence" means (A) an artificial system that (i) performs tasks under varying and unpredictable circumstances without significant human oversight or can learn from experience and improve such performance when exposed to data sets, (ii) is developed in any context, including, but not limited to, software or physical hardware, and solves tasks requiring human-like perception, cognition, planning, learning, communication or physical action, or (iii) is designed to (I) think or act like a human, including, but not limited to, a cognitive architecture or neural network, or (II) act rationally, including, but not limited to, an intelligent software agent or	Conn. Gen. Stat. §4-68jj Conn. Gen. Stat. §4a-23 Conn. Gen. Stat. §51-10e	
Artificial Intelligence (AI)	General Use	As used in this chapter, "artificial intelligence" means computing technology that is capable of simulating human learning, reasoning, and deduction through processes such as: (1) Acquiring and analyzing information for the purpose of improving operational accuracy through improved contextual knowledge; (2) Identifying patterns in data; and (3) Improving operational outcomes by analyzing the results of a previous operation and using the analysis to modify the operation to achieve an improved result.	Indiana 2024 Public Law 108 Ind. Code §4-13.1-5-1	

Artificial Intelligence (AI)	General Use	(C) "Artificial intelligence" means a machine-based system that: (1) Can, for a given set of human-defined objectives, make predictions, recommendations, or decisions influencing real or virtual environments; (2) Uses machine and human-based inputs to perceive real and virtual environments and abstracts those perceptions into models through analysis in an automated manner; and (3) Uses model inference to formulate options for information or action.	Md. State Finance & Procurement Code Ann. §3.5-801	
		(1) "Artificial intelligence" means a machine-based system that can, for a given set of human-defined objectives, make predictions, recommendations, or decisions influencing real or virtual environments, and that uses machine and human-based inputs to do all of the following: (a) Perceive real and virtual environments. (b) Abstract such perceptions into models through analysis in an automated manner. (c) Use model inference to formulate options for information or action.		
		As used in the Campaign Reporting Act: C. "Artificial intelligence" means a machine-based or computer-based system that through hardware or software uses input data to emulate the structure and characteristics of input data in order to generate synthetic content, including images, video or audio;		
Artificial Intelligence (AI)	General Use	(a) As used in this section, "artificial intelligence" means a machine-based system that can, for a given set of human-defined objectives, make predictions, recommendations, or decisions influencing real or virtual environments and that is capable of using machine and human-based inputs to perceive real and virtual environments, abstract such perceptions into models through analysis in an automated manner, and use model inference to formulate options for information or action.	Tennessee - 2024 Public Chapter 550	
Artificial Intelligence (AI)	General Use	As used in this act: (2) "Artificial intelligence" means models and systems capable of performing functions generally associated with human intelligence, including reasoning and learning.	Tennessee - 2024 Public Chapter 988	
Artificial Intelligence (AI)	General Use	(1) As used in this section: (a) "Artificial intelligence" means a machine-based system that can, for a given set of human-defined objectives, make predictions, recommendations, or decisions influencing real or virtual environments. (3) Definitions – For purposes of this section. (A) Artificial intelligence – For purposes of this section "artificial intelligence" means computers and computer systems that, by design and function, perform tasks that would typically require human intelligence, including decision-making, visual perception, speech recognition, or translation of one human language into another human language.	Utah Code Ann. §20A-11-1104 Utah Code Ann. §76-3-203.18	
		AI refers to the capability of a machine to imitate intelligent human behavior, including learning, reasoning, and self-correction. As used in this part 17, unless the context otherwise requires: (2) "Artificial intelligence system" means any machine-based system that, for any explicit or implicit objective, infers from the inputs the system receives how to generate outputs, including content, decisions, predictions, or recommendations, that can influence physical or virtual environments.	West Virginia - W. Va. Code §11-13Q-10a Executive Order 13859, "Maintaining American Leadership in Artificial Intelligence"	ChatGPT generated. Needs verification
Artificial Intelligence System	General Use	(2) "Artificial intelligence system" means any machine-based system that, for any explicit or implicit objective, infers from the inputs such system receives how to generate outputs, including, but not limited to, content, decisions, predictions or recommendations, that can influence physical or virtual environments;	Connecticut SB 2 (2024)	
Artificial Intelligence Systems	General Use	(2) "Artificial intelligence systems" means systems capable of: (A) Perceiving an environment through data acquisition and processing and interpreting the derived information to take an action or actions or to imitate intelligent behavior given a specific goal; and (B) Learning and adapting behavior by analyzing how the environment is affected by prior actions.	Texas Government Code Ann. §2054.621	
Artificial Intelligence Systems	General Use	As used in this chapter, "artificial intelligence systems" means systems capable of perceiving an environment through data acquisition and then processing and interpreting the derived information to take an action or actions or to imitate intelligent behavior given a specific goal. An artificial intelligence system can also learn and adapt its behavior by analyzing how the environment is affected by prior actions.	Vt. Stat. Ann. tit. 3, §5021	
Audit Selection	Taxation	AI algorithms that help tax authorities select tax returns for audit based on the likelihood of non-compliance, improving the efficiency and effectiveness of audits.	Government Accountability Office (GAO)	ChatGPT generated. Needs verification
Automated Case Management	Housing and Homelessness	AI-driven systems that manage and track cases of individuals experiencing homelessness, automating routine tasks and improving service delivery efficiency.	Case Management Society of America (CMSA)	ChatGPT generated. Needs verification
Automated Case Management	Criminal Justice	AI-driven systems that manage and organize case information, documents, and communications, improving efficiency in legal proceedings and criminal investigations.	National Center for State Courts (NCSC)	ChatGPT generated. Needs verification
Automated Decision System (ADS)	General Use	(1) "Automated decision system" means a computational process derived from machine learning, statistical modeling, data analytics, or artificial intelligence that issues simplified output, including a score, classification, or recommendation, that is used to assist or replace human discretionary decision-making and materially impacts natural persons. "Automated decision system" does not include a spam email filter, firewall, antivirus software, identity and access management tools, calculator, database, dataset, or other compilation of data.	California - Cal. Government Code §11546.45.5	
Automated Decision System (ADS)	General Use	(1) Definitions. As used in this section, unless context otherwise requires: (b) "Automated decision system" means any system that is used to make or assist in decisions that impact the lives of consumers and that is based in whole or in significant part on artificial intelligence, machine learning, computerized algorithms, automated statistical or probabilistic modeling, or similar techniques.	Colo. Rev. Stat. §2-3-1707 § 2024 Chapter 496	
Automated Decision System (ADS)	General Use	(A) In this subtitle the following words have the meanings indicated. (B) (1) "Algorithmic decision system" means a computational process that facilitates decision making. (2) "Algorithmic decision system" includes decisions derived from machines, statistics, facial recognition, and decisions on paper.	Md. State Finance & Procurement Code Ann. §3.5-801	
Automated Decision System (ADS)	General Use	(3) "Automated decision system" means an algorithm, including an algorithm incorporating machine learning or other artificial intelligence techniques, that uses data-based analytics to make or support governmental decisions, judgments, or conclusions.	Texas Government Code Ann. §2054.621	
Automated Decision System (ADS)	General Use	(a) Definitions. As used in this section: (2) "Automated decision system" means any algorithm, including one incorporating machine learning or other artificial intelligence techniques, that uses data-based analytics to make or support government decisions, judgments, or conclusions.	Vt. Stat. Ann. tit. 3, §3305	
Automated Decision System (ADS)	General Use	Sec. 151 (14) (f) For purposes of this subsection, "automated decision system" or "system" means any algorithm, including one incorporating machine learning or other artificial intelligence techniques, that uses data-based analysis or calculations to make or support government decisions, judgments, or conclusions that cause a Washington resident to be treated differently than another Washington resident in the nature or amount of governmental interaction with that individual including, without limitation, benefits, protections, required payments, penalties, regulations, timing, application, or process requirements.	Washington - 2021 Chapter 334	
Automated Decision System (ADS)	General Use	A system or process that uses AI, machine learning, or similar technologies to make decisions or assist in decision-making without human intervention.	New York City Local Law 49, 2020	ChatGPT generated. Needs verification
Automated Decision-making Systems	General Use	Systems that use AI, algorithms, or other automated methods to make decisions or assist in decision-making without human intervention.	Federal Trade Commission (FTC) Report on AI	ChatGPT generated. Needs verification
Automated Document Classification	Taxation	AI systems that classify and organize tax documents, such as receipts and invoices, to streamline the tax preparation process and reduce the manual effort required.	National Taxpayer Advocate Service	ChatGPT generated. Needs verification
Automated Essay Scoring	Education	AI tools that automatically grade written assignments by analyzing content, grammar, and structure, providing instant feedback to students.	Journal of Educational Computing Research	ChatGPT generated. Needs verification
Automated Final Decision System	General Use	(4) "Automated final decision system" means an automated decision system that makes final decisions, judgments, or conclusions without human intervention.	Texas Government Code Ann. §2054.621	
Automated Final Decision System	General Use	(a) Definitions. As used in this section: (3) "Automated final decision system" means an automated decision system that makes final decisions, judgments, or conclusions without human intervention.	§ Vt. Stat. Ann. tit. 3, §3305	

Automated Grading	Education	AI technologies that automatically assess and grade student assignments, providing faster feedback to students and reducing the grading workload for teachers.	Journal of Educational Computing Research International Association of Chiefs of Police (IACP) ALPR Guidelines	ChatGPT generated. Needs verification
Automated License Plate Recognition (ALPR)	Public Safety	AI technology used to automatically capture and analyze license plate data, aiding in the identification of stolen vehicles or vehicles associated with criminal activities.		ChatGPT generated. Needs verification
Automated License Plate Recognition (ALPR)	Criminal Justice Labor, Employment, and Unemployment	AI technology that automatically captures and analyzes license plate data to identify vehicles involved in criminal activities or violations.	International Association of Chiefs of Police (IACP)	ChatGPT generated. Needs verification
Automated Resume Screening		AI systems that automatically review and rank job applicants' resumes based on predefined criteria, helping employers identify the best candidates quickly.	Society for Human Resource Management (SHRM)	ChatGPT generated. Needs verification
Automated Support Decision System	General Use	(5) "Automated support decision system" means an automated decision system that provides information to inform the final decision, judgment, or conclusion of a human decision maker. (a) Definitions. As used in this section:	Texas Government Code Ann. §2054.621	
Automated Support Decision System	General Use	(4) "Automated support decision system" means an automated decision system that provides information to inform the final decision, judgment, or conclusion of a human decision maker.	Vt. Stat. Ann. tit. 3, §3305	
Automated Tax Filing	Taxation	AI-driven systems that automatically prepare and file tax returns for individuals and businesses by analyzing financial data and applying relevant tax laws.	Internal Revenue Service	ChatGPT generated. Needs verification
Automated Voter Registration	Elections	AI-driven systems that streamline the voter registration process, ensuring accuracy in voter rolls and reducing the likelihood of errors or duplication.	National Conference of State Legislatures (NCSL) National Highway Traffic Safety Administration (NHTSA)	ChatGPT generated. Needs verification
Autonomous Vehicles (AV)	Transportation	Vehicles equipped with AI systems that enable them to navigate and operate without human intervention, relying on sensors, cameras, and machine learning algorithms.		ChatGPT generated. Needs verification
Behavioral Analysis	Public Safety	AI techniques used to analyze human behavior, identifying patterns that may indicate a threat, such as aggressive behavior or loitering in restricted areas.	DHS Science and Technology Behavioral Analytics	ChatGPT generated. Needs verification
Bias	General Use	A systematic error. In the context of fairness, we are concerned with unwanted bias that places privileged groups at systematic advantage and unprivileged groups at systematic disadvantage.	National Institute of Standards and Technology (NIST) The Language of Trustworthy AI, An In-Depth Glossary of Terms (updated August 4, 2024)	
Bias Audit	General Use	An evaluation conducted on AI systems to identify and mitigate potential biases that may result in unfair or discriminatory outcomes.	New York City Local Law 144, 2021	ChatGPT generated. Needs verification
Bias in AI	General Use	The presence of systematic and unfair biases in AI systems that result in discriminatory outcomes against certain groups or individuals.	National Institute of Standards and Technology (NIST) Special Publication 1270, "Bias in AI"	ChatGPT generated. Needs verification
Bias Mitigation in AI	Criminal Justice	Strategies and methods used to reduce or eliminate bias in AI algorithms, particularly in criminal justice applications, to ensure fair and equitable outcomes.	Partnership on AI	ChatGPT generated. Needs verification
Biodiversity Monitoring	Natural Resource Management	AI technologies that track and analyze biodiversity data, including species populations and habitat conditions, to support conservation efforts.	United Nations Environment Programme (UNEP)	ChatGPT generated. Needs verification
Biometric Data	General Use	Data derived from biological measurements or physical characteristics, often used in AI systems for identification and verification purposes.	Illinois Biometric Information Privacy Act (BIPA), 2008	ChatGPT generated. Needs verification
Bot Detection	Elections	AI tools that identify and mitigate the influence of bots on social media platforms, which can be used to spread misinformation or manipulate public opinion during elections.	Carnegie Mellon University	ChatGPT generated. Needs verification
Campaign Optimization	Elections	AI tools that analyze data from various sources to optimize campaign strategies, such as targeting the right voters, determining the best messaging, and allocating resources efficiently.	MIT Technology Review	ChatGPT generated. Needs verification
Carbon Emissions Monitoring	Energy	AI technologies that monitor and analyze carbon emissions from energy production and consumption, supporting efforts to reduce environmental impact.	World Resources Institute (WRI)	ChatGPT generated. Needs verification
Classroom Management Systems	Education	AI tools designed to help teachers manage classroom activities, track attendance, and monitor student behavior, enabling a more organized and efficient learning environment.	International Society for Technology in Education (ISTE)	ChatGPT generated. Needs verification
Climate Change Modeling	Natural Resource Management	AI-driven simulations that predict the impacts of climate change on natural resources, helping policymakers develop strategies for mitigation and adaptation.	Intergovernmental Panel on Climate Change (IPCC)	ChatGPT generated. Needs verification
Clinical Decision Support Systems (CDSS)	Health and Human Services	AI-based systems that provide healthcare professionals with decision-making assistance by analyzing patient data and recommending treatments or interventions.	Agency for Healthcare Research and Quality (AHRQ)	ChatGPT generated. Needs verification
Computer Vision	General Use	An image understanding task that automatically builds a description not only of the image itself, but of the three dimensional scene that it depicts.	National Institute of Standards and Technology (NIST) The Language of Trustworthy AI, An In-Depth Glossary of Terms (updated August 4, 2024)	
Computer Vision in Transportation	Transportation	AI technology that enables vehicles and transportation systems to "see" and interpret visual data, such as detecting obstacles, reading traffic signs, and analyzing road conditions. As used in this part 17, unless the context otherwise requires: (3) "Consequential decision" means a decision that has a material legal or similarly significant effect on the provision or denial to any consumer of, or the cost or terms of: (a) Education enrollment or an education opportunity; (b) Employment or an employment opportunity; (c) A financial or lending service; (d) An essential government service; (e) Health care services; (f) Housing; (g) Insurance; or (h) A legal service.	National Institute of Standards and Technology (NIST) on Computer Vision	ChatGPT generated. Needs verification
Consequential Decision	General Use	(3) "Consequential decision" means any decision that has a material legal or similarly significant effect on any consumer's access to, or availability, cost or terms of, any criminal justice remedy, education enrollment or opportunity, employment or employment opportunity, essential good or service, financial or lending service, essential government service, health care service, housing, insurance or legal service; Laws and regulations that govern the collection, use, storage, and sharing of consumer data by AI systems to protect individuals' privacy rights. (1) As used in this section:	Colo. Rev. Stat. §6-1-1701	
Consequential Decision	General Use	(b) (i) "Creator" means a person that uses artificial intelligence to generate synthetic media.	Connecticut SB 2 (2024)	
Consumer Data Privacy	General Use	(ii) "Creator" does not include a person that solely provides the technology used in the creation of the synthetic media.	California Consumer Privacy Act (CCPA), 2018	ChatGPT generated. Needs verification
Creator	General Use		Utah Code Ann. §20A-11-1104 Utah Code Ann. §76-3-203.18	
Crime Analysis	Criminal Justice	The use of AI to analyze crime data, identify trends, and provide insights that help law enforcement agencies develop effective crime prevention strategies.	International Association of Crime Analysts (IACA) Department of Justice (DOJ) AI in Crowd Management	ChatGPT generated. Needs verification
Crowd Management	Public Safety	The use of AI to monitor and manage large crowds in public spaces, detecting unusual behavior or potential hazards to ensure safety and prevent incidents.	Housing and Urban Development (HUD) - Homelessness Data	ChatGPT generated. Needs verification
Data Integration and Analysis	Housing and Homelessness	AI tools that integrate and analyze data from multiple sources, such as social services, housing records, and census data, to provide a comprehensive view of homelessness trends and inform policy decisions.	World Bank	ChatGPT generated. Needs verification
Data Mining for Tax Enforcement	Taxation	The use of AI to analyze large datasets to uncover patterns of tax evasion or avoidance, helping tax authorities enforce compliance more effectively	National Public Safety Telecommunications Council (NPSTC) Data-Driven Public Safety	ChatGPT generated. Needs verification
Data-Driven Decision Making	Public Safety	The use of AI to analyze vast amounts of public safety data, providing actionable insights to help authorities make informed decisions during emergencies or for crime prevention.	Defense Advanced Research Projects Agency (DARPA) AI Initiatives	ChatGPT generated. Needs verification
Deep Learning	General Use	A subset of machine learning that uses neural networks with many layers (deep neural networks) to model complex patterns in large datasets.		

Deepfake	General Use	(3) "Deepfake" means an image, video, audio, or multimedia ai-generated content that falsely appears to be authentic or truthful and which features a depiction of an individual appearing to say or do something the individual did not say or do.	Colorado - Colo. Rev. Stat. §1-46-102	
Deepfake Detection	Elections	AI technology used to identify and prevent the spread of deepfake videos and images, which can be used to mislead voters or spread misinformation during elections.	IEEE Spectrum	ChatGPT generated. Needs verification
Demand Response	Energy	AI systems that adjust the demand for power by consumers based on supply conditions, helping balance load and reduce stress on the grid during peak times.	Federal Energy Regulatory Commission (FERC)	ChatGPT generated. Needs verification
Deployer	General Use	(5) "Deploy" means to use a generative artificial intelligence system or high-risk artificial intelligence system;	Connecticut SB 2 (2024)	
Deployer	General Use	(6) "DEPLOYER" MEANS A PERSON DOING BUSINESS IN THIS STATE THAT DEPLOYS A HIGH-RISK ARTIFICIAL INTELLIGENCE SYSTEM.	Colorado - SB 24-205	
Deployer	General Use	(6) "Deployer" means any person doing business in this state that deploys (A) a generative artificial intelligence system, or (B) a high-risk artificial intelligence system; (7) "DEVELOPER" MEANS A PERSON DOING BUSINESS IN THIS STATE THAT DEVELOPS OR INTENTIONALLY AND SUBSTANTIALY MODIFIES AN ARTIFICIAL INTELLIGENCE SYSTEM	Connecticut SB 2 (2024)	
Developer	General Use	(7) "Developer" means any person doing business in this state that develops, or intentionally and substantially modifies, (A) a general 41 purpose artificial intelligence model, (B) a generative artificial intelligence system, or (C) a high-risk artificial intelligence system;	Colorado - SB 24-205	
Developer	General Use	(1) As used in this section: (c) "Digital content provenance" means purely factual information that: (i) Details a digital resource's creator, origin, context, history, and editing process; and (ii) Conforms to an open industry technical standard.	Connecticut SB 2 (2024)	
Digital Content Provenance	General Use	(i) Details a digital resource's creator, origin, context, history, and editing process; and (ii) Conforms to an open industry technical standard.	Utah Code Ann. §20A-11-1104	
Digital Twin	General Use	A digital twin is a virtual representation of an object or system designed to reflect a physical object accurately. It spans the object's lifecycle, is updated from real-time data and uses simulation, machine learning and reasoning to help make decisions.	Utah Code Ann. §76-3-203.18	
Ecosystem Services Valuation	Natural Resource Management	: The use of AI to quantify the economic value of ecosystem services, such as clean air, water purification, and pollination, supporting informed decision-making in resource management.	IBM	
Election Security	Elections	AI tools designed to protect election infrastructure from cyberattacks, fraud, and other security threats, ensuring the integrity of the electoral process.	World Bank Ecosystem Services Cybersecurity and Infrastructure Security Agency (CISA)	ChatGPT generated. Needs verification
Electronic Health Records (EHR) Integration	Health and Human Services	The use of AI to manage, analyze, and optimize the data within electronic health records, improving patient care and streamlining administrative processes.	Office of the National Coordinator for Health Information Technology (ONC)	ChatGPT generated. Needs verification
Eligibility Screening	Housing and Homelessness	AI systems that streamline the process of determining eligibility for housing assistance programs, reducing administrative burdens and accelerating service delivery.	National Low Income Housing Coalition (NLIHC)	ChatGPT generated. Needs verification
Emergency Response Optimization	Public Safety	AI systems that analyze data from various sources to optimize the deployment of emergency services, reducing response times and improving coordination during crises.	FEMA AI in Emergency Response	ChatGPT generated. Needs verification
Employee Engagement Analysis	Labor, Employment, and Unemployment	AI tools that analyze employee feedback, performance data, and other indicators to assess and improve employee engagement and satisfaction.	Gallup	ChatGPT generated. Needs verification
Energy Forecasting	Energy	AI-driven models that predict energy consumption patterns, production levels, and pricing, aiding in the efficient management of energy resources.	National Renewable Energy Laboratory (NREL)	ChatGPT generated. Needs verification
Energy Management Systems (EMS)	Energy	AI-based platforms that monitor, control, and optimize energy use in buildings, industries, and grids, leading to improved energy efficiency and cost savings.	International Energy Agency (IEA)	ChatGPT generated. Needs verification
Energy Resource Optimization	Natural Resource Management	AI systems that optimize the extraction, distribution, and use of energy resources such as oil, gas, and renewable energy sources to maximize efficiency and reduce environmental impact.	International Energy Agency (IEA)	ChatGPT generated. Needs verification
Energy Storage Optimization	Energy	AI-driven strategies to optimize the use and storage of energy in batteries and other storage systems, ensuring efficient energy use and grid stability.	U.S. Department of Energy (DOE) - Energy Storage	ChatGPT generated. Needs verification
Environmental Impact Assessment	Land Use Planning and Management	AI systems that assess the potential environmental impacts of proposed land use changes, helping to identify and mitigate negative effects on ecosystems and communities.	United Nations Environment Programme (UNEP)	ChatGPT generated. Needs verification
Ethical AI	General Use	Principles and standards aimed at ensuring AI systems are developed and used in ways that are ethical, fair, and respect human rights.	Vermont 5.96, 2018	ChatGPT generated. Needs verification
Explainability	General Use	The ability of an AI system to explain its processes and outcomes in a way that is understandable to humans, especially in critical decision-making scenarios.	NIST Explainable AI Guidelines	ChatGPT generated. Needs verification
Explainable AI	General Use	Explainable AI is used to describe an AI model, its expected impact and potential biases. It helps characterize model accuracy, fairness, transparency and outcomes in AI-powered decision making. Explainable AI is crucial for an organization in building trust and confidence when putting AI models into production. AI explainability also helps an organization adopt a responsible approach to AI development.		
Facial Recognition	Public Safety	AI technology that scans and identifies individuals based on their facial features, commonly used in public safety for identifying suspects or missing persons.	IBM Federal Bureau of Investigation (FBI) Facial Recognition Overview	ChatGPT generated. Needs verification
Facial Recognition	Criminal Justice	AI technology that analyzes facial features to identify or verify individuals, used in criminal investigations and security surveillance.	Federal Bureau of Investigation (FBI)	ChatGPT generated. Needs verification
Facial Recognition Technology	General Use	AI technology that analyzes facial features to identify or verify an individual's identity, often regulated to protect privacy and prevent misuse.	Washington State SB 6280, 2020	ChatGPT generated. Needs verification
Facial Recognition Technology	General Use	AI technology that analyzes facial features to identify or verify an individual's identity, often regulated to protect privacy and prevent misuse.	Department of Homeland Security (DHS) Privacy Impact Assessments on Facial Recognition	ChatGPT generated. Needs verification
Fairness in AI	General Use	Ensuring that AI systems are free from bias and discrimination, providing equal and just treatment for all individuals.	New Jersey A4811, 2020	ChatGPT generated. Needs verification
Fairness in AI	General Use	The principle that AI systems should operate without unfair biases and should provide equitable treatment for all users.	FTC Guidance on AI Fairness	ChatGPT generated. Needs verification
Fisheries Management	Natural Resource Management	AI tools that analyze data on fish populations, ocean conditions, and fishing activities to support sustainable fishing practices and prevent overfishing.	National Oceanic and Atmospheric Administration (NOAA)	ChatGPT generated. Needs verification
Forest Management	Natural Resource Management	AI applications that monitor forest health, predict deforestation, and optimize sustainable forestry practices to balance economic and ecological goals.	Food and Agriculture Organization (FAO)	ChatGPT generated. Needs verification
Fraud Detection	Taxation	The use of AI to identify and prevent tax fraud by analyzing patterns and anomalies in tax filings and financial transactions that may indicate fraudulent activity	U.S. Department of the Treasury	ChatGPT generated. Needs verification
Gamification	Education	The application of game-design elements in educational settings, enhanced by AI to create engaging and interactive learning experiences that motivate students.	EdTech Magazine	ChatGPT generated. Needs verification
General Purpose Artificial Intelligence Model	General Use	(8) "General-purpose artificial intelligence model" (A) means any form of artificial intelligence system that (i) displays significant generality, (ii) is capable of competently performing a wide range of distinct tasks, and (iii) can be integrated into a variety of downstream applications or systems, and (B) does not include any artificial intelligence model that is used for development, prototyping and research activities before such model is released on the market;	Connecticut SB 2 (2024)	
Generative Artificial Intelligence	General Use	(4) "Generative artificial intelligence" or "generative AI" means an artificial intelligence system capable of generating novel image, video, audio, multimedia, or text content based on prompts or other forms of data provided by a person.	Colorado - Colo. Rev. Stat. §1-46-102	
Generative Artificial Intelligence	General Use	As used in this section, the term "generative artificial intelligence" means a machine-based system that can, for a given set of human-defined objectives, emulate the structure and characteristics of input data in order to generate derived synthetic content including images, videos, audio, text, and other digital content.	Fla. Stat. §106.145	
Generative Artificial Intelligence	General Use	(6) As used in this section: (c) "Generative AI" means any algorithm or model that creates content such as text, images, audio, or video.	Idaho Code §18-1507C	
Generative Artificial Intelligence	General Use	(1) As used in this section: (d) "Generative artificial intelligence" means artificial intelligence technology that is capable of creating content such as text, audio, image, or video based on patterns learned from large volumes of data rather than being explicitly programmed with rules.	Utah Code Ann. §20A-11-1104	
Generative Artificial Intelligence	General Use		Utah Code Ann. §76-3-203.18	

		(1) AS USED IN THIS SECTION: (a) "Generative artificial intelligence" means an artificial system that: (i) Is trained on data; (ii) Interacts with a person using text, audio, or visual communication; and (8) The definitions in this subsection apply throughout this section unless the context clearly requires otherwise. (b) "Generative artificial intelligence" means an artificial intelligence system that generates novel data or content based on a foundation model. (9) "Generative artificial intelligence system" means any artificial intelligence system, including, but not limited to, a general-purpose artificial intelligence model, that is able to produce or manipulate synthetic digital content; The use of AI to analyze and visualize geographical data, identifying hotspots for homelessness or areas with high demand for affordable housing.	Utah Code Ann. §13-2-12 Utah Code Ann. §76-2-107	
Generative Artificial Intelligence	General Use			
Generative Artificial Intelligence	General Use		Washington - 2024 Chapter 163	
Generative Artificial Intelligence System Geospatial Analysis	General Use Housing and Homelessness Land Use Planning and Management		Connecticut SB 2 (2024) Esri - GIS for Housing and Homelessness	ChatGPT generated. Needs verification
Geospatial Analysis Grid Stability and Optimization	Energy	The use of AI to analyze and interpret geographic data from sources such as satellite imagery, GIS, and remote sensing to inform land use decisions. AI systems that enhance grid stability by optimizing the flow of electricity, managing distributed energy resources, and preventing outages. (D) (1) "High-risk artificial intelligence" means artificial intelligence that is a risk to individuals or communities, as defined under regulations adopted by the department in consultation with the governor's artificial intelligence subcabinet. (2) "High-risk artificial intelligence" includes rights-impacting artificial intelligence and safety-impacting artificial intelligence. decision. (b) "high-risk artificial intelligence system" does not include: (i) an artificial intelligence system if the artificial intelligence system is intended to: (a) perform a narrow procedural task; or (b) detect decision-making patterns or deviations from prior decision-making patterns and is not intended to replace or influence a previously completed human assessment without sufficient human review; or (ii) the following technologies, unless the technologies, when deployed, make, or are a substantial factor in making, a consequential decision: (a) anti-fraud technology that does not use facial recognition technology; (b) anti-malware; (c) anti-virus; (d) artificial intelligence-enabled video games; (e) calculators; (f) cybersecurity; (g) databases; (h) data storage; (i) firewall; (j) internet domain registration; (k) internet website loading; (l) networking; (m) spam- and robocall-filtering; (n) spell-checking; (o) spreadsheets; (p) web caching (q) web hosting or any similar technology; or (r) technology that communicates with consumers in natural language for the purpose of providing users with information, making referrals or recommendations, and answering questions and is subject to an accepted use policy that prohibits generating content that is discriminatory or harmful. (10) "High-risk artificial intelligence system" means any artificial intelligence system that has been specifically developed and marketed, or intentionally and substantially modified, to make, or be a controlling factor in making, a consequential decision; (4) "High-risk automated decision system" means an automated decision system that is used to assist or replace human discretionary decisions that have a legal or similarly significant effect, including decisions that materially impact access to, or approval for, housing or accommodations, education, employment, credit, health care, and criminal justice.	Esri - Geographic Information System (GIS) Electric Power Research Institute (EPRI) 2024 Chapter 496 Md. State Finance & Procurement Code Ann. §3.5-801	ChatGPT generated. Needs verification
High Risk Artificial Intelligence	General Use			
High Risk Artificial Intelligence System	General Use		Colorado - SB 24-205	
High Risk Artificial Intelligence System	General Use		Connecticut SB 2 (2024)	
High Risk Automated Decision System	General Use		California - Cal. Government Code §11546.45.5	
		(9) (a) "High-risk artificial intelligence system" means any artificial intelligence system that, when deployed, makes, or is a substantial factor in making, a consequential decision. (b) "High-risk artificial intelligence system" does not include: (I) An artificial intelligence system if the artificial intelligence system is intended to: (A) Perform a narrow procedural task; or (B) Detect decision-making patterns or deviations from prior decision-making patterns and is not intended to replace or influence a previously completed human assessment without sufficient human review; or (II) the following technologies, unless the technologies, when deployed, make, or are a substantial factor in making, a consequential decision: (A) Anti-fraud technology that does not use facial recognition technology; (B) Anti-malware; (C) Anti-virus; (D) Artificial intelligence-enabled video games; (E) Calculators; (F) Cybersecurity; (G) Databases; (H) Data storage; (I) Firewall; (J) Internet domain registration; (K) Internet website loading; (L) Networking; (M) Spam- and robocall-filtering; (N) Spell-checking; (O) Spreadsheets; (P) Web caching; (Q) Web hosting or any similar technology; or (R) Technology that communicates with consumers in natural language for the purpose of providing users with information, making referrals or recommendations, and answering questions and is subject to an accepted use policy that prohibits generating content that is discriminatory or harmful.	Colo. Rev. Stat. §6-1-1701	
High Risk Consequential Decision	General Use			
Homelessness Prediction Models	Housing and Homelessness	AI models that predict the likelihood of homelessness for individuals or families, allowing for early intervention strategies to prevent homelessness.	Journal of Social Service Research	ChatGPT generated. Needs verification
Homelessness Risk Assessment Human-in-the-Loop	Housing and Homelessness General Use	AI tools that evaluate individuals' or families' likelihood of becoming homeless, helping agencies prioritize services and allocate resources effectively. A framework where humans retain control and oversight over AI systems, particularly in decision-making processes.	National Alliance to End Homelessness Massachusetts S.1376, 2021	ChatGPT generated. Needs verification ChatGPT generated. Needs verification
Human-in-the-Loop Impact Assessment	General Use General Use	A model in which human oversight is retained in AI decision-making processes to ensure that automated decisions can be reviewed and altered by humans. A systematic evaluation of the potential effects of an AI system on individuals, communities, and the environment before deployment.	Department of Defense (DoD) AI Strategy Virginia HB 1339, 2022	ChatGPT generated. Needs verification ChatGPT generated. Needs verification

Informed Consent	General Use	The process of ensuring individuals are fully aware and agree to the use of their data in AI systems, particularly for sensitive applications like health care.		
Intelligence Tutoring System (ITS)	Education	AI-powered systems that provide one-on-one tutoring to students by adapting to their learning styles and providing instant feedback and guidance.	Educational Technology Research and Development International Journal of Artificial Intelligence in Education	ChatGPT generated. Needs verification
Intelligence Tutoring System (ITS)	Education	AI systems that provide personalized tutoring to students by adapting to their learning styles and providing real-time feedback and guidance.		ChatGPT generated. Needs verification
Intelligent Transportation System (ITS)	Transportation	AI-based systems that integrate various technologies to improve transportation infrastructure, enhance traffic management, and provide better traveler information. (11) "Intentional and substantial modification" means any deliberate change made to (A) a generative artificial intelligence system, other than a change made to a generative artificial intelligence system as a result of learning after the generative artificial intelligence system has been deployed, that (i) affects compliance of the generative artificial intelligence system, or (ii) changes the purpose of the generative artificial intelligence system, or (B) a high-risk artificial intelligence system that creates, or potentially creates, any new risk of algorithmic discrimination;	ITS America	ChatGPT generated. Needs verification
Intentional and substantial modification	General Use		Connecticut SB 2 (2024)	
Job Matching Algorithms	Labor, Employment, and Unemployment	AI-driven algorithms that match job seekers with job openings based on their skills, experience, and preferences, improving job placement efficiency.	LinkedIn Talent Solutions	ChatGPT generated. Needs verification
Labor Market Forecasting	Labor, Employment, and Unemployment	AI models that analyze economic data to forecast trends in the labor market, such as employment growth or decline in specific sectors, helping policymakers and businesses make informed decisions.	Bureau of Labor Statistics (BLS)	ChatGPT generated. Needs verification
Land Use Optimization	Land Use Planning and Management	AI tools that optimize the allocation of land for different purposes, such as residential, commercial, agricultural, and conservation, based on various criteria and constraints.	International Society for Environmental Information Sciences (ISEIS)	ChatGPT generated. Needs verification
Large Language Model	General Use	a class of language models that use deep-learning algorithms and are trained on extremely large textual datasets that can be multiple terabytes in size. LLMs can be classed into two types: generative or discriminatory. Generative LLMs are models that output text, such as the answer to a question or even writing an essay on a specific topic. They are typically unsupervised or semi-supervised learning models that predict what the response is for a given task. Discriminatory LLMs are supervised learning models that usually focus on classifying text, such as determining whether a text was made by a human or AI.	National Institute of Standards and Technology (NIST) The Language of Trustworthy AI_ An In-Depth Glossary of Terms (updated August 4, 2024) Learning Analytics & Knowledge (LAK) Conference Proceedings	
Learning Analytics	Education	The use of AI to collect and analyze data on students' learning behaviors, helping educators identify trends, monitor progress, and make data-driven decisions.		ChatGPT generated. Needs verification
Learning Management Systems with AI Integration	Education	Online platforms used for delivering educational content, managing student participation, and tracking progress, enhanced with AI for personalized learning paths.	Educause Review	ChatGPT generated. Needs verification
Machine Learning (ML)	General Use	(6) As used in this section: (e) "Machine learning" means the use of algorithms to enable a computer to learn to perform tasks by analyzing a large dataset without being explicitly programmed. (8) The definitions in this subsection apply throughout this section unless the context clearly requires otherwise.	Idaho Code §18-1507C	
Machine Learning (ML)	General Use	(c) "Machine learning" means the process by which artificial intelligence is developed using data and algorithms to draw inferences therefrom to automatically adapt or improve its accuracy without explicit programming.	Washington - 2024 Chapter 163 National Science Foundation (NSF) AI Research Initiatives	ChatGPT generated. Needs verification
Machine Learning (ML)	General Use	A subset of AI that involves the use of algorithms and statistical models to enable computers to learn from data and make decisions without explicit programming.		
Meta data	General Use	(5) "Metadata" means structural or descriptive information about data such as content, format, source, rights, accuracy, provenance, periodicity, granularity, publisher or responsible party, contact information, method of collection, and other descriptions.	Colorado - Colo. Rev. Stat. §1-46-102	
Natural Language Processing (NLP)	General Use	AI technology that enables the analysis and understanding of human language, used in criminal justice for analyzing legal documents, transcripts, and other text data.	National Institute of Standards and Technology (NIST)	ChatGPT generated. Needs verification
Natural Language Processing (NLP)	Public Safety	A branch of AI that enables machines to understand, interpret, and respond to human language, used in public safety for processing emergency calls and social media monitoring for potential threats.	National Institute of Standards and Technology (NIST) NLP in Public Safety	ChatGPT generated. Needs verification
Natural Language Processing (NLP)	Health and Human Services	AI technology that enables computers to understand, interpret, and respond to human language, used in health care for processing clinical notes, patient records, and voice-based interactions.	National Institute of Standards and Technology (NIST) National Institute of Standards and Technology (NIST)	ChatGPT generated. Needs verification
Natural Language Processing (NLP)	Education	A branch of AI that enables educational software to understand and generate human language, used in chatbots, virtual assistants, and language learning tools.	NLP in Education	ChatGPT generated. Needs verification
Natural Language Processing (NLP) in Elections	Elections	AI techniques that analyze textual data from speeches, debates, and campaign materials to extract key themes, sentiments, and policy positions.	National Institute of Standards and Technology (NIST)	ChatGPT generated. Needs verification
Neural Network	General Use	A model that, taking inspiration from the brain, is composed of layers (at least one of which is hidden) consisting of simple connected units or neurons followed by nonlinearities	National Institute of Standards and Technology (NIST) The Language of Trustworthy AI_ An In-Depth Glossary of Terms (updated August 4, 2024)	
Non-Discrimination in AI	General Use	Legal provisions ensuring that AI systems do not discriminate based on race, gender, age, or other protected characteristics.	Illinois HB 2557, 2021	ChatGPT generated. Needs verification
Patient Monitoring Systems	Health and Human Services	AI-enabled systems that continuously monitor patients' vital signs and health conditions, alerting healthcare providers to potential issues in real-time.	Food and Drug Administration (FDA)	ChatGPT generated. Needs verification
Personalized Learning	Education	The use of AI to tailor educational content and pacing to the individual needs, abilities, and interests of each student, providing a customized learning experience.	U.S. Department of Education - Office of Educational Technology	ChatGPT generated. Needs verification
Personalized Medicine	Health and Human Services	AI-driven approach to tailoring medical treatment to individual characteristics, such as genetics, environment, and lifestyle, to optimize patient outcomes.	National Institutes of Health (NIH)	ChatGPT generated. Needs verification
Personalized Tax Recommendations	Taxation	AI systems that provide personalized tax planning advice to individuals and businesses based on their financial data, helping them optimize their tax obligations legally.	Deloitte Insights	ChatGPT generated. Needs verification
Political Advertising Analytics	Elections	AI systems that analyze the effectiveness of political ads by tracking engagement, reach, and voter response, helping campaigns refine their advertising strategies.	Ad Age	ChatGPT generated. Needs verification
Population Health Management	Health and Human Services	AI systems that analyze data from various sources to manage and improve the health outcomes of a population, often by identifying high-risk groups and optimizing care strategies.	Centers for Medicare & Medicaid Services (CMS)	ChatGPT generated. Needs verification
Predictive Analytics	Education	AI-driven analysis that predicts future student performance and learning outcomes based on historical data, helping educators intervene early to support struggling students.	The Journal of Educational Data Mining	ChatGPT generated. Needs verification
Predictive Analytics	Education	The use of AI to analyze data on student performance, enrollment, and behavior to predict future academic outcomes and identify students at risk of dropping out.	The Chronicle of Higher Education	ChatGPT generated. Needs verification
Predictive Analytics	Health and Human Services	The use of AI to analyze historical data to predict future health outcomes, such as the likelihood of disease outbreaks, patient readmissions, or the effectiveness of treatments.	Centers for Disease Control and Prevention (CDC)	ChatGPT generated. Needs verification
Predictive Analytics	Housing and Homelessness	The use of AI to analyze historical data and predict future trends related to homelessness rates, housing demands, and at-risk populations, enabling proactive interventions.	U.S. Department of Housing and Urban Development (HUD)	ChatGPT generated. Needs verification
Predictive Analytics for Tax Revenue	Taxation	AI tools that forecast tax revenues by analyzing economic indicators, historical data, and current trends, helping governments plan budgets and manage resources.	International Monetary Fund	ChatGPT generated. Needs verification
Predictive Analytics for Workforce Planning	Labor, Employment, and Unemployment	The use of AI to analyze workforce data and predict future labor needs, helping organizations plan recruitment, training, and retention strategies.	Deloitte Insights	ChatGPT generated. Needs verification
Predictive Maintenance	Transportation	AI techniques used to predict when a vehicle or transportation infrastructure component is likely to fail, allowing for timely maintenance and reducing downtime.	Department of Transportation (DOT) Predictive Maintenance	ChatGPT generated. Needs verification
Predictive Maintenance	Energy	AI techniques that predict when equipment in energy systems will need maintenance, reducing downtime and preventing costly failures.	International Energy Agency (IEA)	ChatGPT generated. Needs verification
Predictive Model	General Use	(8) As used in this section, unless the context otherwise requires: (d) "Predictive model" means a process of using mathematical and computational methods that examine current and historical data sets for underlying patterns and calculate the probability of an outcome.	Colo. Rev. Stat. §10-3-1104.9	

Predictive Modeling	Natural Resource Management Land Use Planning and Management	AI-driven models that forecast environmental changes, resource availability, and the impacts of human activities on natural resources, helping in proactive resource management.	Environmental Protection Agency (EPA)	ChatGPT generated. Needs verification
Predictive Modeling		AI-driven models that forecast the impacts of various land use decisions on urban development, environmental sustainability, and resource management.	National Institute of Standards and Technology (NIST)	ChatGPT generated. Needs verification
Predictive Policing	Public Safety	The use of AI algorithms to analyze historical crime data and identify patterns, allowing law enforcement agencies to predict potential criminal activities and allocate resources more effectively.	National Institute of Justice (NIJ)	ChatGPT generated. Needs verification
Privacy by Design Profiling	General Use General Use	A framework for incorporating privacy protections into AI systems from the outset, ensuring compliance with privacy laws and safeguarding user data.	Federal Privacy Council, Privacy by Design Framework	ChatGPT generated. Needs verification
Profiling	General Use	The use of AI to analyze and predict aspects of an individual's behavior, preferences, or characteristics, often regulated to prevent discrimination and ensure fairness.	Colorado Privacy Act, 2021	ChatGPT generated. Needs verification
Public Participation and Engagement	Land Use Planning and Management	AI technologies that facilitate public participation in land use planning processes by analyzing public input, conducting sentiment analysis, and ensuring that community voices are heard.	Federal Trade Commission (FTC) Report on Big Data and AI	ChatGPT generated. Needs verification
Real-Time Crime Mapping	Public Safety	The use of AI to analyze and visualize crime data in real-time, helping law enforcement to respond quickly to emerging threats and manage resources efficiently.	International Association for Public Participation (IAP2)	ChatGPT generated. Needs verification
Remote Sensing	Public Safety	The use of AI to analyze and visualize crime data in real-time, helping law enforcement to respond quickly to emerging threats and manage resources efficiently.	Police Executive Research Forum (PERF) Report	ChatGPT generated. Needs verification
Remote Work Management	Natural Resource Management Labor, Employment, and Unemployment	The use of AI to analyze data from satellites, drones, and other sensors to monitor land use, vegetation cover, water quality, and other environmental indicators.	NASA Earth Science Division	ChatGPT generated. Needs verification
Renewable Energy Integration	Energy	AI systems that support the management of remote workers by tracking productivity, facilitating communication, and ensuring the alignment of remote teams with organizational goals.	McKinsey & Company	ChatGPT generated. Needs verification
Research Data Management (RDM)	Education	AI systems that facilitate the integration of renewable energy sources, such as wind and solar, into the energy grid by optimizing generation and storage.	Renewable Energy World	ChatGPT generated. Needs verification
Resource Allocation	Land Use Planning and Management	AI systems that assist in organizing, storing, and analyzing research data, making it easier for faculty and students to manage large datasets and derive insights.	National Institutes of Health (NIH) Data Management and Sharing Policy	ChatGPT generated. Needs verification
Resource Allocation Optimization	Health and Human Services	AI-driven strategies that allocate resources such as water, energy, and land efficiently to support sustainable land use and urban development.	World Resources Institute (WRI)	ChatGPT generated. Needs verification
Resource Allocation Optimization	Housing and Homelessness	The use of AI to optimize the distribution of resources in healthcare and human services, ensuring that they are allocated efficiently to meet the needs of the population.	World Health Organization (WHO)	ChatGPT generated. Needs verification
Right to Explanation	General Use	AI models that optimize the distribution of resources, such as funding, shelters, and services, to meet the needs of individuals experiencing homelessness.	World Bank Urban Development	ChatGPT generated. Needs verification
Rights Impacting Artificial Intelligence	General Use	The legal right of individuals to receive an explanation of decisions made by AI systems, particularly in contexts like employment, finance, or criminal justice.	New York Senate Bill SS148, 2021 § 2024 Chapter 496	
Risk Assessment Algorithms	General Use	(G) "Rights-impacting artificial intelligence" means artificial intelligence whose output serves as a basis for decision or action that is significantly likely to affect civil rights, civil liberties, equal opportunities, access to critical resources, or privacy.	Md. State Finance & Procurement Code Ann. §3.5-801	
Risk Management in AI	Criminal Justice	AI tools used to evaluate the likelihood that an individual will reoffend or fail to appear in court, often used in bail decisions, sentencing, and parole determinations.	National Center for State Courts (NCSC)	ChatGPT generated. Needs verification
Robotic Process Automation	General Use	The process of identifying, assessing, and mitigating risks associated with AI systems to prevent unintended consequences, especially in critical sectors like healthcare and defense.	NIST AI Risk Management Framework	ChatGPT generated. Needs verification
Route Optimization	Health and Human Services	AI technology that automates routine administrative tasks in healthcare and human services, such as claims processing, patient scheduling, and data entry.	Healthcare Financial Management Association (HFMA)	ChatGPT generated. Needs verification
Safety Impacting Artificial Intelligence	Transportation	AI technology that automates routine administrative tasks in healthcare and human services, such as claims processing, patient scheduling, and data entry.	Federal Motor Carrier Safety Administration (FMCSA)	ChatGPT generated. Needs verification
Security of AI Systems	Transportation	The use of AI to determine the most efficient routes for vehicles, taking into account factors such as traffic conditions, fuel consumption, and delivery times.	Route Optimization § 2024 Chapter 496	
Sentiment Analysis	General Use	(H) "Safety-impacting artificial intelligence" means artificial intelligence that has the potential to significantly impact the safety of human life, well-being, or critical infrastructure.	Md. State Finance & Procurement Code Ann. §3.5-801	
Sentiment Analysis	General Use	Measures and protocols to protect AI systems from cyberattacks, data breaches, and other security threats that could compromise their integrity or operation.	Department of Homeland Security AI Security Framework	ChatGPT generated. Needs verification
Sentiment Analysis	Housing and Homelessness	AI technology that analyzes public opinions and sentiments from social media or surveys regarding housing policies and homelessness interventions.	Harvard Kennedy School - Government Performance Lab	ChatGPT generated. Needs verification
Sentiment Analysis	Criminal Justice	AI tools that analyze text data from sources like social media, emails, or documents to detect sentiment, which can be used to identify potential threats or criminal intent.	Harvard Kennedy School - Government Performance Lab	ChatGPT generated. Needs verification
Sentiment Analysis in Tax Policy	Elections	AI technology that analyzes public opinion expressed on social media, news articles, and other platforms to gauge voter sentiment and predict election trends.	Harvard Kennedy School	ChatGPT generated. Needs verification
Skill Gap Analysis	Taxation Labor, Employment, and Unemployment	AI tools that analyze public sentiment on tax policies through social media, surveys, and other platforms, helping policymakers understand public opinion and adjust policies accordingly.	Harvard Kennedy School	ChatGPT generated. Needs verification
Smart City Planning	Land Use Planning and Management	AI tools that identify gaps in employees' skills relative to current and future job requirements, informing training and development initiatives.	World Economic Forum	ChatGPT generated. Needs verification
Smart Grids	Energy	The integration of AI in planning and managing smart cities, where technology is used to improve infrastructure, enhance public services, and promote sustainable urban development.	Smart Cities Council	ChatGPT generated. Needs verification
Speech Recognition	Education	AI-powered electrical grids that use digital technology to monitor and manage the production, distribution, and consumption of electricity, enhancing efficiency and reliability.	U.S. Department of Energy (DOE)	ChatGPT generated. Needs verification
Surveillance AI	Education	AI technology that converts spoken language into text, used in educational tools to assist students with reading disabilities or to facilitate language learning.	National Center for Learning Disabilities (NCLD)	ChatGPT generated. Needs verification
Surveillance Systems	General Use	AI technologies used for monitoring and surveillance purposes, often subject to legal scrutiny to ensure they do not infringe on civil liberties.	Congressional Research Service Report on AI and Surveillance	ChatGPT generated. Needs verification
Sustainable Resource Allocation	Public Safety	AI-enhanced systems that monitor public areas using cameras and sensors, detecting unusual behaviors or activities that could indicate a potential safety threat.	Department of Homeland Security (DHS) AI in Surveillance	ChatGPT generated. Needs verification
Synthetic Data	Natural Resource Management	AI systems that optimize the allocation and use of natural resources to ensure sustainability and minimize environmental impact.	World Resources Institute (WRI)	ChatGPT generated. Needs verification
Synthetic digital content	General Use	Artificially generated data created by AI systems that mimic real-world data, used to train models while protecting privacy and reducing the need for sensitive data.	National Institute of Standards and Technology (NIST)	ChatGPT generated. Needs verification
	General Use	(13) "Synthetic digital content" means any digital content, including, but not limited to, any audio, image, text or video, that is produced or manipulated by a generative artificial intelligence system	Report on Synthetic Data	
			Connecticut SB 2 (2024)	

		SECTION 1. (1) As used in this section: (b) "Synthetic media" means an image, audio recording or video recording of an individual's appearance, speech or conduct that has been intentionally manipulated with the use of artificial intelligence techniques or similar digital technology in a manner to create a realistic but false image, audio recording or video recording that produces: (A) A depiction that a reasonable person would believe is of a real individual in appear ance, speech or conduct but that did not actually occur in reality; and (B) A materially different understanding or impression than a reasonable person would have from the unaltered, original version of the image, audio recording or video recording.		
Synthetic Media	General Use		Oregon - SB 1571 (2024) Organization for Economic Co-operation and Development (OECD)	ChatGPT generated. Needs verification
Tax Compliance Monitoring	Taxation	AI systems that monitor taxpayer behavior and transactions to ensure compliance with tax laws, identifying areas where non-compliance may occur.	Internal Revenue Service	ChatGPT generated. Needs verification
Taxpayer Assistance Chatbot	Taxation	AI-powered chatbots that provide taxpayers with real-time assistance on tax-related queries, helping them navigate complex tax laws and filing processes.	American Telemedicine Association (ATA)	ChatGPT generated. Needs verification
Telemedicine	Health and Human Services	The use of AI to enhance remote medical consultations, diagnostics, and treatment, enabling healthcare providers to offer services to patients regardless of their location.	Federal Highway Administration (FHWA)	ChatGPT generated. Needs verification
Traffic Management Systems	Transportation	AI systems that monitor and manage traffic flow in real-time, using data analytics to optimize traffic light timings, reduce congestion, and improve safety. (8) The definitions in this subsection apply throughout this section unless the context clearly requires otherwise. (d) "Training data" means labeled data that is used to teach artificial intelligence models or machine learning algorithms to make proper decisions. Training data may include, but is not limited to, annotated text, images, video, or audio.	Washington - 2024 Chapter 163	
Training Data	General Use		Connecticut HB 5314, 2022 Executive Order on Promoting the Use of Trustworthy AI in the Federal Government	ChatGPT generated. Needs verification
Transparency in AI	General Use	The requirement for AI systems and their developers to provide clear, understandable information about how AI models function and make decisions.	Federal Highway Administration (FHWA)	ChatGPT generated. Needs verification
Transparency in AI	General Use	The principle that AI systems should be transparent in their design, deployment, and operation, enabling stakeholders to understand how decisions are made.	U.S. Department of Labor Federal Aviation Administration (FAA) UAS AI Guidelines	ChatGPT generated. Needs verification
Transportation Planning	Land Use Planning and Management Labor, Employment, and Unemployment	AI tools that optimize transportation networks within land use planning, ensuring efficient movement of people and goods while minimizing environmental impact.	Urban Land Institute (ULI) Intelligent Transportation Systems Joint Program Office (ITS JPO)	ChatGPT generated. Needs verification
Unemployment Benefits Automation	General Use	AI systems that streamline the processing of unemployment benefits claims by automating eligibility assessments, claims verification, and payment disbursements.	Educause Review on AI Virtual Assistants Pew Research Center	ChatGPT generated. Needs verification
Unmanned Aerial Systems (UAS) and AI	Land Use Planning and Management	The integration of AI technologies into unmanned aerial systems (drones) for autonomous operation, subject to regulations to ensure safety and security.	Brennan Center for Justice	ChatGPT generated. Needs verification
Urban Growth Simulation	Transportation	AI technologies that simulate urban expansion and growth patterns to help planners understand the long-term implications of different land use policies.	World Bank Water Resources Management Department of Defense AI and Autonomous Weapons Guidelines	ChatGPT generated. Needs verification
Vehicle-to-Everything (V2X) Communication	Education Elections	AI-enabled communication systems that allow vehicles to exchange information with each other and with infrastructure, enhancing safety and efficiency on the road.	MIT Sloan Management Review	ChatGPT generated. Needs verification
Virtual Assistants for Student Support	Elections	AI-powered chatbots and virtual assistants that help students with administrative tasks such as enrollment, course selection, and financial aid inquiries. The use of AI to analyze voting patterns, preferences, and behaviors to predict election outcomes or to tailor campaign strategies.	American Planning Association (APA)	ChatGPT generated. Needs verification
Voter Behavior Analysis	Natural Resource Management	AI systems that monitor and analyze election data to detect signs of voter fraud, such as duplicate votes, invalid registrations, or tampering with election results.	National Institute of Standards and Technology (NIST) The Language of Trustworthy AI_ An In-Depth Glossary of Terms (updated August 4, 2024)	
Voter Fraud Detection	General Use	The use of AI to optimize the distribution, use, and conservation of water resources, addressing challenges such as scarcity, quality, and demand.	National Institute of Standards and Technology (NIST) The Language of Trustworthy AI_ An In-Depth Glossary of Terms (updated August 4, 2024)	
Water Resource Management	Labor, Employment, and Unemployment	The use of AI to analyze employee data and provide insights into workforce trends, such as turnover rates, productivity, and diversity metrics, aiding in strategic decision-making.		
Weaponized AI	Land Use Planning and Management	AI technologies used in the development of autonomous weapons systems, often subject to ethical and legal debates regarding their deployment and use. The use of AI to analyze employee data and provide insights into workforce trends, such as turnover rates, productivity, and diversity metrics, aiding in strategic decision-making.		
Workforce Analytics	General Use	AI applications that assist in the enforcement and optimization of zoning laws, ensuring that land use conforms to legal and regulatory standards.		
Zoning and Land Use Regulation	General Use	Characteristics of trustworthy AI systems include: valid and reliable, safe, secure and resilient, accountable and transparent, explainable and interpretable, privacy-enhanced, and fair with harmful bias managed.		
Trustworthy AI	General Use	A dataset from which a model is learned.		
Training Data				