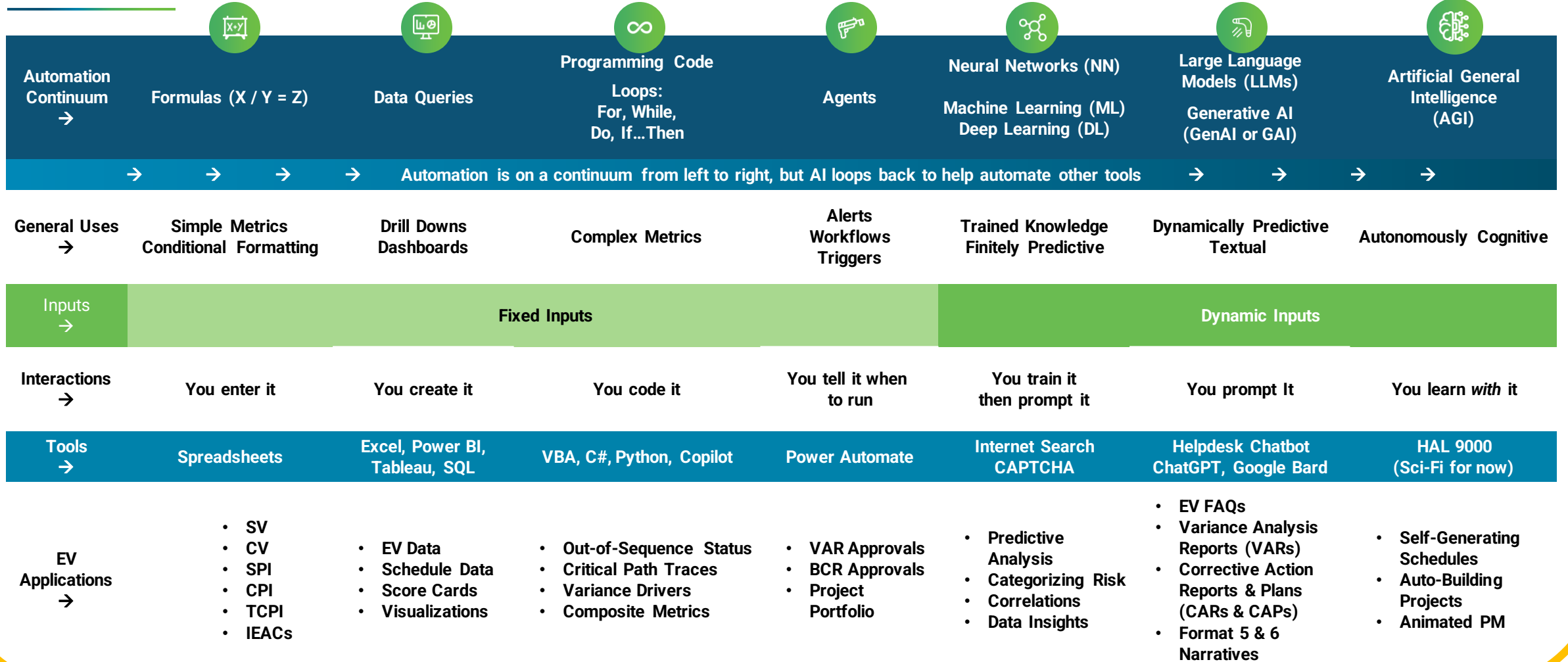


# Earned Value & Artificial Intelligence Gold Card



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# EV & AI Gold Card: AI Terms & EV Applications



	Term	Simple Definitions or Metaphors	Earned Value Applications	
Automation	Automation	Doing things faster, smarter, better—and with fewer mistakes	Used by all good EV practitioners to continually improve EV compliance and performance	
	Algorithms & Coding	Formulas	Algorithms as simple as X divided Y or more complex with nested "if" statements	Ubiquitous in Excel and other spreadsheets or databases for simple to complex metrics
		Data Queries	Filtering, sorting, grouping, ranking, scoring, and color-coding data to highlight insights	Widely used by EV Cost Engines and Scheduling tools and dashboards
		Programming Code	Instructions or scripts to quickly loop through data, create user interfaces, and help visualize data	Common for complex metrics and analytics
		Agents	Bots triggering actions, alerts, or workflow steps to learn your preferences and automatically run for you	Used to sift through a project or project portfolio to highlight risks, identify drivers, and suggest where to improve data quality and project performance
	Artificial Intelligence (AI)	Smart, robot assistants that can think and learn, mimicking human intelligence, making decisions, or suggesting actions based on data and events	Can potentially help streamline and automate project startups, gain earlier insights, and reduce project compliance and performance risks	
	Artificial Intelligence	Neural Networks (NN)	Teams of digital detectives working together to solve problems, analyzing evidence, and gain insights	Predict project outcomes or detect anomalies after training on historical data for a project portfolio
		Machine Learning (ML)	Like a child learning to ride a bike, you support them as they try, fail, and learn until they ride alone	Optimize resource allocations or improve project scheduling accuracy
		Deep Learning (DL)	A child learning to ride a bike, then a scooter, then a motorcycle, each time understanding more	Reduce risks by analyzing diverse documents, logs, schedules, databases, and lessons learned
		Generative AI (GenAI or GAI)	A natural storyteller mixing data, patterns, and creativity to produce new and imaginative content	Generate what-if data sets and scenarios for training or risk analysis
Large Language Models (LLMs)		A vast library of knowledge filled with countless books, stories, articles, and ideas	Extract key insights from textual data like logs, meeting minutes, and variance analysis reports	
Generative Pre-trained Transformer (GPT)		A spectacularly well-read librarian who can write you a story, answer your query, or even create a poem, drawing, or video from absorbed information based on your prompt	Virtual assistants, chatbots, and coaches to onboard new staff or help with thorny or unusual problems	
Artificial General Intelligence (AGI)	A universal genius able to compose symphonies, solve complex problems, make strategic decisions, invent new technologies, and able to understand and adapt—even surpassing humans	<b>Does not exist yet but could help manage more projects better to help innovate and solve more problems</b>		

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