About: AI is a feature where machines learn to perform tasks, rather than simply carrying out computations that are input by human users. Early applications of AI included machines that could play games such as checkers and chess, and programs that could reproduce language.

At its simplest form, AI is emerging technology which combines computer science and robust datasets, to enable problem-solving. It also encompasses sub-fields of machine learning and deep learning, which are frequently mentioned in conjunction with artificial intelligence. These disciplines are comprised of AI algorithms which seek to create expert systems which make predictions or classifications based on input data.

According to the Brookings Report: To create and preserve good-paying jobs in growing sectors-and ensure equitable access to those jobs-are emerging as key priorities. How well Louisville's economy is positioned to innovate and adopt the latest technologies-particularly those that fall under the heading of artificial intelligence (AI)-may dictate the pace, distribution, and sustainability of its recovery.

The Brookings Report offers a first-of-its-kind benchmarking of AI positioning and preparedness for metropolitan economies, comparing Louisville to its peer regions around the country. It examines a wide range of AI-related data that portrays Louisville and its peers on five key drivers of technological success: collaboration, innovation, talent, industry specialization, and financial capital and startup ecosystem. The report sheds light not only on AI-specific activities and competencies characteristic of cities involved in the production of AI technologies, but also a wider range of adjacent data economy attributes that may indicate a city's readiness to adopt AI technologies at greater scale.