

What is watsonx.ai?

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About watsonx.ai

- It is an Artificial Intelligence tool jointly built by IBM and NASA.
- It will help users monitor the Earth from space, measuring environmental changes that have already happened while also making predictions about the future.
- The model is also designed to be extremely simple to use. A user would merely need to select a location and a date, and the model will highlight changes in floodwater, reforestation efforts and other relevant factors.

How watsonx.ai works?

- It is built on a foundation model — it's trained on a broad set of uncategorised data allowing the model to apply information about one situation to another.
- In the case of watsonx.ai, NASA provides the datasets (in terms of satellite images instead of words,) and IBM created the foundation model to interpret them.
- In order to train the model to comprehend visual sequences that unfold over time, scientists filled in blank areas in each image and asked the model to piece it back together.

- It became increasingly adept at figuring out how the photos connected to one another as it reassembled additional images.
- The model was then adjusted for certain tasks like segmenting and categorising photos.

What is watsonx.data?

- It is a fit-for-purpose data store optimised for governed data and AI workloads. It is designed to enable enterprises to scale AI workloads by harnessing their entire data landscape.

What is watsonx.governance?

- It is an end-to-end toolkit encompassing both data and AI governance. It helps clients create responsible, transparent and explainable AI workflows by providing AI governance capabilities like model management throughout the AI lifecycle.
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Q1) What is Artificial intelligence?

Artificial intelligence (AI) is the intelligence of machines or software, as opposed to the intelligence of humans or animals. It is a field of study in computer science which develops and studies intelligent machines. Such machines may be called AIs.

Source: [How an AI tool can make weather forecasts more accurate and help tackle climate change](#)

Source: <https://vajiramandravi.com/current-affairs/watsonx-ai/>

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