

Quiz [watsonx.ai gen AI Models L2]

You must receive a score of 75% or higher on the quiz to complete the course. [Back](#)

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Started on	Wednesday, December 18, 2024, 1:58 PM
State	Finished
Completed on	Wednesday, December 18, 2024, 2:20 PM
Time taken	21 mins 57 secs
Feedback	Congratulations, you passed the quiz!

Question 1

Correct

Points out of 1.00

Which watsonx.ai feature allows clients to experiment with prompt engineering against foundation models?

- ☐ watsonx API (Application Programming Interface) / SDK (Software Development Kit)
- ☐ InstructLab
- ☐ Tuning Studio
- ☒ PromptLab ✓

Question 2

Incorrect

Points out of 1.00

What is the watsonx.ai add-on that allows clients to bring their own model?

- ☐ Bring Your Foundation Models (BYFM)
- ☐ Personalized Foundation Models (PFM)
- ☒ Bring Your Own Model (BYOM) ✗
- ☐ Custom Foundation Models (CFM)

Question **3**

Correct

Points out of 1.00

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What is the purpose of fine-tuning foundation models?

- ☐ To reduce the size and complexity of the model, allowing for faster inference
- ☐ To make the models more generalizable and adaptable
- ☐ To decrease the training time of the models
- ☒ To specialize the models on specific tasks or use cases ✓

Question **4**

Correct

Points out of 1.00

What free of charge way sellers can team with IBM Consulting to allow clients to understand IBM's watsonx.ai Point of View (POV) better?

- ☐ Garage design session
- ☐ Pilot Program
- ☒ Half day strategy briefing session ✓
- ☐ IBM consulting currently does not offer any service of this kind

Question 5

Correct

Points out of 1.00

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A client asks why does IBM have its own models and open-source models, how do you respond?

- ☐ IBM models are **ONLY** used for natural human language processing tasks, whereas open-source models are used for tasks such as code generation, image processing and audio processing
- ☐ IBM models **ALL** have a size below 25b parameters, whereas the open-source models are 70b parameters and above, allowing clients to have a wide variety of selection, so clients are **NOT** locked into any particular model and have the freedom to choose
- ☐ Open-source models are less trusted by clients due to lack of robust data governance and transparency in data curation and model training. Therefore IBM provides its own models for clients that priorities trustworthiness, and open-source models for clients that don't
- ☒ IBM's model strategy emphasizes providing clients with a range of options and flexibility. By partnering with Hugging Face, IBM offers access to a broad selection of state-of-the-art open-source models, which allows clients to choose models that best fit their specific use cases ✓

Question **6**

Correct

Points out of 1.00

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Are clients able to use any model with the Custom Foundation Models add-on?

- ☒ No, only a selected few architectures are supported as of now ✓
- ☐ Yes, all models are available, including models that the clients created themselves are supported
- ☐ All model architectures on Hugging Face are supported
- ☐ All models available online are supported, excluding models the clients created themselves

Question **7**

Correct

Points out of 1.00

A client wants to use a natural language that is currently **NOT** supported in watsonx.ai models, and want to bring a pre-existing open source model into watsonx.ai, what is the **CORRECT** response?

- ☐ The granite models have add-ons for more language support that clients are able to choose
- ☐ The watsonx platform only supports languages that are pre-integrated into its models, so the client would need to use a different platform that supports their specific language needs
- ☐ No, clients are only able to use the languages supported by the Granite models
- ☒ The client is also able to bring their own models to the watsonx platform using the Custom Foundation Models add-on ✓

Question 8

Incorrect

Points out of 1.00

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A client already has their own model trained from somewhere else and want to leverage the watsonx platform for governance or automation purposes, what do you suggest?

- ☐ The client needs to retrain their model from scratch using watsonx platform
- ☐ The client **CANNOT** use their own model on the watsonx platform
- ☒ The client is able to purchase the Custom Foundation Models add-on to the watsonx platform ✖
- ☐ The client is able to import the model into the watsonx platform **WITHOUT** needing to purchase an add-on

Question 9

Correct

Points out of 1.00

What are the different ways for clients to increase performance (accuracy) of models on a specific use case?

- ☐ Clients can increase performance by providing the model with generic data
- ☐ Increasing computational resources
- ☒ Fine-tuning, Prompt Engineering, Prompt Tuning ✔
- ☐ Clients **CANNOT** increase the performance of models on specific use cases since the model weights are unchangeable

Question **10**

Correct

Points out of 1.00

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What tool is available to clients if they wanted to prompt tune or fine-tune the model?

- ☒ Tuning Studio ✓
- ☐ PromptLab
- ☐ watsonx.ai Chat
- ☐ watsonx.ai Freeform

Question **11**

Correct

Points out of 1.00

What is chat alignment?

- ☐ A method of ranking chat platforms based on their user engagement metrics
- ☒ Process of encoding human values and goals into large language models to make them as helpful, safe, and reliable as possible ✓
- ☐ Process of aligning words from one language to another to improve translation tasks
- ☐ Technique used to improve the speed of language models by aligning the processing power of multiple GPUs (Graphic Processing Units)

Question **12**

Correct

Points out of 1.00

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What does RAG stand for?

- ☐ Resource Allocation Graph
- ☐ Real-time Augmented Generation
- ☐ Response Adapted Generation
- ☒ Retrieval-Augmented Generation ✓

Question **13**

Correct

Points out of 1.00

What is the main difference between the Llama models and Flan models?

- ☒ The Llama models are designed for a wide range of Natural Language capabilities (e.g. chat), whereas the Flan models are capable of handling a wide variety of instruction based tasks ✓
- ☐ The Llama models are designed for Computer Vision tasks such as Text-to-Image generation, and the Flan models are designed for Natural Language Processing
- ☐ The Llama models are designed for handling a wide variety of instruction based tasks, whereas the Flan models are designed for Natural Language tasks in general
- ☐ The Llama models are designed for Natural Language Processing, whereas the Flan models are designed for Computer Vision tasks

Question **14**

Correct

Points out of 1.00

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What does HAP stand for in regards to data preprocessing?

- ☒ Hate, Abuse, Profanity ✓
- ☐ Hugging Face, API (Application Programming Interface), Pipeline
- ☐ High Accuracy Predictions
- ☐ Human-AI Partnership

Question **15**

Correct

Points out of 1.00

What is the difference between Prompt Tuning and Fine-tuning?

- ☐ Fine-tuning does **NOT** update the model weights but improves results using input/output examples. Prompt tuning updates the model weights with a labeled dataset.
- ☐ Fine-tuning does **NOT** update model weights and focuses on prompt design. Prompt tuning also does **NOT** update weights but uses input/output examples
- ☒ Fine-tuning updates the model weights with a labeled dataset to improve results. Prompt tuning does **NOT** update the weights, but improves results by providing examples of input/output pairs. ✓
- ☐ Fine-tuning does **NOT** update the model weights but uses input/output examples. Prompt tuning also does **NOT** update the weights but focuses on designing efficient prompts

Question **16**

Correct

Points out of 1.00

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To ensure that models train on trusted data, what are the two essential stages that data must go through before training?

- ☐ Data quality assessment, Data language detection
- ☒ Data acquisition, Data preprocessing ✓
- ☐ Data filtering, Data deduplication
- ☐ Data deduplication, Data preprocessing

Question **17**

Correct

Points out of 1.00

What is generative AI used for?

- ☐ To be used **ONLY** for summarization tasks, and classification tasks
- ☐ To be used for highly specialized medical diagnosis
- ☒ To generate new content, such as reports, emails, translation, and more ✓
- ☐ To make ethical and moral decisions for enterprises

Question **18**

Correct

Points out of 1.00

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What's the difference between smaller foundation models like Granite compared to a larger model like ChatGPT?

- ☐ IBM's smaller models **CANNOT** reach the same level of performance (accuracy) of larger models on specific use cases after fine-tuning due to the limitations in the models compute power
- ☒ Smaller models are trusted and target for specific business use cases, they perform (accuracy) on par and sometimes better than larger models after fine-tuning with lower cost and better efficiency ✓
- ☐ IBM's smaller models are **INCAPABLE** of being used as a Chatbot due to the smaller size not allowing the model have chatting functionality
- ☐ The primary differentiator of IBM watsonx models is their ability to handle any task **WITHOUT** specialization or fine-tuning, making them a one-size-fits-all solution for clients

Question **19**

Correct

Points out of 1.00

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What does OEM models mean?

- ☐ Organization Efficiency Management models, these are models that are specialized for the usecase of organization efficiency management
- ☐ Open-Ended Experiment models, these are open-source models released by IBM for the community to experiment on
- ☐ Original Engineering Method models, these are models that are one of a kind and specialized for the field of Engineering
- ☒ Original Equipment Manufacturer models, these are models produced by one company and branded and sold by another company under its own name ✓

Question **20**

Correct

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A client has heard stories in the news about AI generating biased or harmful results, how does IBM reduce bias and harmfulness of the Granite models?

- ☐ IBM does **NOT** specifically address bias or harmfulness in Granite models; it assumes that AI models are inherently unbiased and harmless
- ☐ IBM's Granite models rely solely on user feedback to identify and correct bias after deployment. There are no preventive measures during training
- ☐ There is no way to stop biased results, because there is no way to remove bias from training data
- ☒ Models are very sensitive to the quality of training data, and poor data results in bad models, IBM's rigorous data management stage removes biased, and harmful material before training ✓