

**Q1.** What is Elasticsearch and what machine learning or AI problems is it designed to solve?

Answer:

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**Q2.** Explain the core abstractions or APIs in Elasticsearch (models, tensors, pipelines, agents).

Answer:

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**Q3.** How does Elasticsearch handle training: defining a model, specifying a loss, and running optimization?

Answer:

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**Q4.** What is Elasticsearch's approach to data ingestion, preprocessing, and batching?

Answer:

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**Q5.** How do you evaluate model performance in Elasticsearch (metrics, validation sets, cross-validation)?

Answer:

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**Q6.** How does Elasticsearch support model deployment and serving in a production environment?

Answer:

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**Q7.** What hardware acceleration does Elasticsearch support (GPU, TPU) and how do you configure it?

Answer:

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**Q8.** How does Elasticsearch handle distributed or multi-GPU training?

Answer:

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**Q9.** What are common debugging techniques for model training issues in Elasticsearch?

Answer:

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**Q10.** How do you version and experiment-track models in a Elasticsearch-based ML workflow?

Answer:

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