

## Congratulations! You passed!

Grade received 100% To pass 80% or higher

Go to next item

Introduction to Model Serving Infrastructure	
Latest Submission Grade 100%	
1. Why do models become more complex?	1/1 point
○ To reduce GPU usage.	
O To minimize latency.	
To increase accuracy.	
O To cut down costs.	
<ul> <li>Correct         Absolutely! We apply more complex model architectures that allow including more features to increase accuracy.     </li> </ul>	e
2. What is the difference between optimizing and satisficing metrics?	1/1 point
Optimizing metrics estimate the speed of the model's prediction latency while satisficing metrics deal wi precision.	th its
Optimizing metrics assess model complexity while satisficing metrics evaluate operation costs.	
Optimizing metrics measure the model's predictive effectiveness while satisficing metrics specify operationstraints.	ional
© Correct  Nailed it! First, aim to improve the model's predictive power until the infrastructure reaches a specific latency threshold. Then, assess the results to approve the model or continue working on it.	
<ol> <li>Which of the following are NoSQL solutions for implementing caching and feature lookup? (Select all that applications)</li> <li>Google Cloud Firestore</li> </ol>	ply) 1/1 point
<ul> <li>Correct         Right on! A good choice for millisecond read latencies on slowly changing data where storage scales automatically.     </li> </ul>	
Amazon RDS	
✓ Amazon DynamoDB	
⊙ Correct     Excellent! Amazon DynamoDB is a scalable low-read latency database with an in-memory cache.	
✓ Google Cloud Memorystore	
Correct That's right This database is a good choice for achieving sub-millisecond read latencies on a limited an of quickly changing data retrieved by a few thousand clients.	nount
4. True Or False: The main advantage of deploying a model in a large data center accessed by a remote call is the can disregard costs in favor of model complexity.	hat you 1/1 point
○ True	
♠ False	
<ul> <li>Correct         Exactly! For example, Google constantly looks for ways to improve its resource utilization and reduce of in its applications and data centers.     </li> </ul>	osts

1/1 point

