Intro to AI for Cloud Operations
Cloud = \{ \text{Compute, Storage, Network, Applications, DB’s, etc.} \}

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cloud systems are the new industry
cloud systems are huge
• Hyperscale Data Centers ~500 worldwide
• $30-40B Capex per quarter
- Hyperscale Data Centers ~500 worldwide
- $30-40B Capex **per quarter**
Cloud systems are complex.
cloud systems drive technology

Hardware

Software
Processors, Memory, Power
Everything is distributed
Databases
IoT
Containers
Blockchain
Millions of VMs
Dynamic
Distributed
Real Time
Too Complex to Manage
AI for Cloud Operations
Alibaba
Microsoft
Google