

Questions answered through chat window during session #7 on 14 Feb 2022

Question Asked	Answer Given
TFX is used by google. what are the different frameworks for mlops used by other companies	There are many frameworks used by companies like MLRun, Algorithmia, cnvrg.io, etc.
AIOPS and DEEPOPS - Both are same or different ?	No both are different. Further read link -> https://www.geeksforgeeks.org/difference-between-devops-and-aiops/
How are jobs running on different nodes, that need to communicate synchronously, do so? I know that nodes communicate via dedicated ports, but how is the inter-node synchronicity	One of the advantages of Kubernetes is it handles them. Kubernetes creates a virtual ethernet adapter for each pod, and it is connected to the network adaptor of the node.
what are the different ways of data transformation? Is it an integral part of the MLOps process? If yes, is it related to feature scaling, viz. Normalisation and Standardization	Yes MLOps is an integral part of the MLOps process. Data transformation has many methods. Some of them are Smoothing, Aggregation, Discretization, Normalisation.
in the basic Kubernetes and advanced SLURM slide. Kubernetes is recent compared to SLURM. What basic and advanced points at?	It basically tells the type of customer that is basic customer mostly use Kubernetes whereas advanced customers use SLURM.
DEVops and Deepops in what way they are different?	DevOps and DeepOps are different in many ways. Yes DeepOps is a part of MLOps.
what prediction is referred in demo?	We are currently predicting the placement of a student given his information.
what is formal and business validation in data engineering and statistical validation in mlops?	Data validation is the process of ensuring data has undergone data cleansing to ensure they have data quality, that is, they are both correct and valuable. There are many methods to do the same.
Can you please explain a little about how failures are diagnosed and corrected in the MLOps framework?	<p>mlops features can handle those activities. like</p> <p>Model validation (confirming that the model actually achieves its intended purpose)</p> <p>Model serving (tool for serving deep learning models trained using any ML/DL framework)</p> <p>Model monitoring (tracking the performance of machine learning models in production)</p> <p>Model re-training (building a new system from scratch with updated data)</p>