

# Exam Ref DP-100 Designing and Implementing a Data Science Solution on Azure

## List of URLs

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### Chapter 1: Design and prepare a machine learning solution

<https://learn.microsoft.com/en-us/azure/machine-learning/concept-manage-ml-pitfalls>

<https://raw.githubusercontent.com/pandas-dev/pandas/main/doc/data/titanic.csv>

<https://learn.microsoft.com/en-us/azure/machine-learning/how-to-use-serverless-compute>

<https://learn.microsoft.com/en-us/azure/machine-learning/concept-manage-ml-pitfalls?view=azureml-api-2>

<https://learn.microsoft.com/en-us/azure/virtual-machines/sizes-gpu>

<https://learn.microsoft.com/en-us/azure/machine-learning/how-to-manage-optimize-cost>

<https://learn.microsoft.com/en-us/azure/machine-learning/how-to-deploy-online-endpoints>

<https://learn.microsoft.com/en-us/azure/machine-learning/concept-train-machine-learning-model>

<https://learn.microsoft.com/en-us/python/api/overview/azure/ml/install>

<https://learn.microsoft.com/en-us/azure/machine-learning/concept-train-model-git-integration>

<https://azure.github.io/azureml-cheatsheets/docs/cheatsheets/python/v1/compute-targets/>

<https://learn.microsoft.com/en-us/azure/machine-learning/how-to-use-environments?view=azureml-api-1#use-a-curated-environment>

## Chapter 2: Explore data and train models

<https://learn.microsoft.com/en-us/azure/machine-learning/how-to-access-data-interactives>  
<https://learn.microsoft.com/en-us/azure/machine-learning/how-to-configure-auto-train?view=azureml-api-2&tabs=python#supported-algorithms>  
<https://learn.microsoft.com/en-us/azure/machine-learning/how-to-understand-automated-ml>  
<https://learn.microsoft.com/en-us/azure/machine-learning/how-to-auto-train-image-models>  
<https://learn.microsoft.com/en-us/azure/machine-learning/how-to-auto-train-nlp-models>  
<https://learn.microsoft.com/en-us/training/modules/track-model-training-jupyter-notebooks-mlflow/>  
<https://learn.microsoft.com/en-us/azure/machine-learning/how-to-tune-hyperparameters>

## Chapter 3: Prepare a model for deployment

<https://ml.azure.com/registries/azureml/environment>  
<https://github.com/Azure/azureml-examples>  
<https://learn.microsoft.com/en-us/azure/machine-learning/how-to-train-with-ui?view=azureml-api-2>  
<https://learn.microsoft.com/en-us/azure/machine-learning/how-to-use-mlflow-cli-runs?view=azureml-api-2#configure-the-experiment>  
<https://learn.microsoft.com/en-us/azure/azure-monitor/agents/data-sources-syslog>  
<https://azure.github.io/azureml-cheatsheets/docs/cheatsheets/python/v1/debugging/>  
<https://learn.microsoft.com/en-us/azure/machine-learning/how-to-create-component-pipelines-cli>  
<https://learn.microsoft.com/en-us/azure/machine-learning/how-to-move-data-in-out-of-pipelines>  
<https://learn.microsoft.com/en-us/azure/machine-learning/how-to-schedule-pipeline-job>  
<https://learn.microsoft.com/en-us/azure/machine-learning/concept-component>

## Chapter 4: Deploy and retrain a model

<https://learn.microsoft.com/en-us/azure/machine-learning/concept-endpoints-online>  
<https://learn.microsoft.com/en-us/azure/machine-learning/how-to-github-actions-machine-learning>  
<https://learn.microsoft.com/en-us/azure/machine-learning/how-to-monitor-datasets>  
<https://learn.microsoft.com/en-us/azure/machine-learning/how-to-use-event-grid>

# Chapter 5: Exam DP-100: Designing and Implementing a Data Science Solution on Azure—updates

<https://learn.microsoft.com/en-us/credentials/certifications/resources/study-guides/dp-100>