

# 实验准备

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本课程基于 Azure Machine Learning Service，但也要有一定人工智能知识

## 环境配置

工具	介绍
Python	这是最基本的环境，建议使用 Python 3.8.10 来作为标准的设置 安装方式: Windows 安装 ( <a href="#">点击查看</a> ) macOS/Linux 安装 ( <a href="#">点击查看</a> )
机器学习 相关环境	Windows 环境 ( <a href="#">点击查看</a> ) macOS/Linux 安装 ( <a href="#">点击查看</a> )
Azure 账号	免费账号申请 ( <a href="#">点击查看</a> ) 学生账号申请 ( <a href="#">点击查看</a> )
Azure CLI	安装 Azure CLI ( <a href="#">点击查看</a> )
AzureML SDK	pip3 install azureml-sdk
GitHub	GitHub ( <a href="#">点击查看</a> )

## 创建好 Azure ML 环境

### 1. 进入 Azure Portal

**Azure services**

[Create a resource](#)
[All resources](#)
[Resource groups](#)
[App registrations](#)
[Azure Active Directory](#)
[Subscriptions](#)
[Cost Management ...](#)
[Advisor](#)
[Workspaces](#)
[All services](#)

**Recent resources**

Name	Type	Last Viewed
kinfeyamlws	Machine learning	2 hours ago
kinfeyamlidemogroup	Resource group	3 hours ago
kinfeyamlidemogroup	Resource group	13 hours ago
kinfeyamlgroup	Resource group	17 hours ago
kinfeyamlwordpressdemo_group	Resource group	24 hours ago
hkaidemogroup	Resource group	3 months ago
hkeduchatbotdemo	Resource group	3 months ago
azuremlgroup	Resource group	4 months ago
azuremldemo	Resource group	4 months ago
iotdemogroup	Resource group	5 months ago
azureiotdemogroup	Resource group	5 months ago
AIDemoGroup	Resource group	5 months ago

[See all](#)

## 2. 点击 'Create Source' 进入资源创建界面，并选择 AI + Machine Learning

Get started  Getting Started? [Try our Quickstart center](#)

Recently created

**Categories**

- AI + Machine Learning**
- Analytics
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- Compute
- Containers
- Databases
- Developer Tools
- DevOps
- Identity
- Integration
- Internet of Things
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- Media
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### 3. 选择 Machine Learning, 创建你的 Azure ML, 选择你的订阅, 填写相关信息, 点击创建

[Home](#) > [Create a resource](#) >

# Machine learning

Create a machine learning workspace

Basics

Networking

Advanced

Tags

Review + create

## Project details

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription \*

Visual Studio Enterprise Subscription

Resource group \*

[Create new](#)

## Workspace details

Specify the name and region for the workspace.

Workspace name \*

Region \*

East Asia

Storage account \*

[Create new](#)

Key vault \*

[Create new](#)

Application insights \*

[Create new](#)

Container registry \*

None

[Create new](#)

#### 4. 创建成功后，进入到你的工作区

Search (Cmd+ /)

Download config.json Delete

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Events

Essentials

Resource group : kinfeymldemogroup

Location : East Asia

Subscription : Visual Studio Enterprise Subscription

Subscription ID : S-11e1b727-72d4-475a-b901-f850201d

Storage : kinfeymldemogroup

Studio web URL : https://ml.azure.com/?hl=en&wsid=51052d&wsid=51052d&wsid=51052d&wsid=51052d&wsid=51052d

Registry : kinfeymldemogroup

Key Vault : kinfeymldemogroup

Application Insights : kinfeymldemogroup

MLflow tracking URI : azureml:/eastasia.api.azureml.ms/mlflow/v1.0/subscriptions/51052d/4204-4204-4204-4204

## 5. 选择 Studio web URL 进入到 Azure ML 界面

New

Home

Author

Notebooks

Automated ML

Designer

Assets

Datasets

Experiments

Pipelines

Models

Endpoints

Manage

Compute

Environments

Datastores

Data Labeling

Linked Services

Home

Welcome to the Azure Machine Learning Studio

Create new

Notebooks

Code with Python SDK and run sample experiments.

Start now

Automated ML

Automatically train and tune a model using a target metric.

Start now

Designer

Drag-and-drop interface from prepping data to deploying models.

Start now

Recent resources

Runs

Compute

Models

Datasets

Display name	Experiment	Status	Submitted time	Submitte...	Run type
neat_ant_tm94yk7p	iris-training-auto	✔ Completed	Feb 19, 2022 9:0...	Service Pr...	Pipeline
amusing_square_3tkbyppd	iris-training-auto	✔ Completed	Feb 19, 2022 8:5...	Service Pr...	Pipeline

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