

# Untitled

December 13, 2021

```
[1]: !pip3 install google-cloud-aiplatform --upgrade --user
```

```
Requirement already satisfied: google-cloud-aiplatform in
/opt/conda/lib/python3.7/site-packages (1.7.1)
Collecting google-cloud-aiplatform
  Downloading google_cloud_aiplatform-1.8.0-py2.py3-none-any.whl (1.7 MB)
    |                               | 1.7 MB 5.5 MB/s
Requirement already satisfied: proto-plus>=1.10.1 in
/opt/conda/lib/python3.7/site-packages (from google-cloud-aiplatform) (1.19.8)
Requirement already satisfied: google-cloud-storage<2.0.0dev,>=1.32.0 in
/opt/conda/lib/python3.7/site-packages (from google-cloud-aiplatform) (1.43.0)
Requirement already satisfied: google-api-core[grpc]<3.0.0dev,>=1.26.0 in
/opt/conda/lib/python3.7/site-packages (from google-cloud-aiplatform) (2.2.2)
Requirement already satisfied: google-cloud-bigquery<3.0.0dev,>=1.15.0 in
/opt/conda/lib/python3.7/site-packages (from google-cloud-aiplatform) (2.30.1)
Requirement already satisfied: packaging>=14.3 in /opt/conda/lib/python3.7/site-
packages (from google-cloud-aiplatform) (21.3)
Requirement already satisfied: requests<3.0.0dev,>=2.18.0 in
/opt/conda/lib/python3.7/site-packages (from google-api-
core[grpc]<3.0.0dev,>=1.26.0->google-cloud-aiplatform) (2.26.0)
Requirement already satisfied: google-auth<3.0dev,>=1.25.0 in
/opt/conda/lib/python3.7/site-packages (from google-api-
core[grpc]<3.0.0dev,>=1.26.0->google-cloud-aiplatform) (2.3.3)
Requirement already satisfied: setuptools>=40.3.0 in
/opt/conda/lib/python3.7/site-packages (from google-api-
core[grpc]<3.0.0dev,>=1.26.0->google-cloud-aiplatform) (59.4.0)
Requirement already satisfied: googleapis-common-protos<2.0dev,>=1.52.0 in
/opt/conda/lib/python3.7/site-packages (from google-api-
core[grpc]<3.0.0dev,>=1.26.0->google-cloud-aiplatform) (1.53.0)
Requirement already satisfied: protobuf>=3.12.0 in
/opt/conda/lib/python3.7/site-packages (from google-api-
core[grpc]<3.0.0dev,>=1.26.0->google-cloud-aiplatform) (3.19.1)
Requirement already satisfied: grpcio<2.0dev,>=1.33.2 in
/opt/conda/lib/python3.7/site-packages (from google-api-
core[grpc]<3.0.0dev,>=1.26.0->google-cloud-aiplatform) (1.42.0)
Requirement already satisfied: grpcio-status<2.0dev,>=1.33.2 in
/opt/conda/lib/python3.7/site-packages (from google-api-
core[grpc]<3.0.0dev,>=1.26.0->google-cloud-aiplatform) (1.42.0)
```

Requirement already satisfied: google-cloud-core<3.0.0dev,>=1.4.1 in /opt/conda/lib/python3.7/site-packages (from google-cloud-bigquery<3.0.0dev,>=1.15.0->google-cloud-aiplatform) (2.2.1)

Requirement already satisfied: python-dateutil<3.0dev,>=2.7.2 in /opt/conda/lib/python3.7/site-packages (from google-cloud-bigquery<3.0.0dev,>=1.15.0->google-cloud-aiplatform) (2.8.2)

Requirement already satisfied: google-resumable-media<3.0dev,>=0.6.0 in /opt/conda/lib/python3.7/site-packages (from google-cloud-bigquery<3.0.0dev,>=1.15.0->google-cloud-aiplatform) (2.1.0)

Requirement already satisfied: six in /opt/conda/lib/python3.7/site-packages (from google-cloud-storage<2.0.0dev,>=1.32.0->google-cloud-aiplatform) (1.16.0)

Requirement already satisfied: pyparsing!=3.0.5,>=2.0.2 in /opt/conda/lib/python3.7/site-packages (from packaging>=14.3->google-cloud-aiplatform) (3.0.6)

Requirement already satisfied: pyasn1-modules>=0.2.1 in /opt/conda/lib/python3.7/site-packages (from google-auth<3.0dev,>=1.25.0->google-api-core[grpc]<3.0.0dev,>=1.26.0->google-cloud-aiplatform) (0.2.7)

Requirement already satisfied: rsa<5,>=3.1.4 in /opt/conda/lib/python3.7/site-packages (from google-auth<3.0dev,>=1.25.0->google-api-core[grpc]<3.0.0dev,>=1.26.0->google-cloud-aiplatform) (4.8)

Requirement already satisfied: cachetools<5.0,>=2.0.0 in /opt/conda/lib/python3.7/site-packages (from google-auth<3.0dev,>=1.25.0->google-api-core[grpc]<3.0.0dev,>=1.26.0->google-cloud-aiplatform) (4.2.4)

Requirement already satisfied: google-crc32c<2.0dev,>=1.0 in /opt/conda/lib/python3.7/site-packages (from google-resumable-media<3.0dev,>=0.6.0->google-cloud-bigquery<3.0.0dev,>=1.15.0->google-cloud-aiplatform) (1.1.2)

Requirement already satisfied: urllib3<1.27,>=1.21.1 in /opt/conda/lib/python3.7/site-packages (from requests<3.0.0dev,>=2.18.0->google-api-core[grpc]<3.0.0dev,>=1.26.0->google-cloud-aiplatform) (1.26.7)

Requirement already satisfied: charset-normalizer~=2.0.0 in /opt/conda/lib/python3.7/site-packages (from requests<3.0.0dev,>=2.18.0->google-api-core[grpc]<3.0.0dev,>=1.26.0->google-cloud-aiplatform) (2.0.8)

Requirement already satisfied: idna<4,>=2.5 in /opt/conda/lib/python3.7/site-packages (from requests<3.0.0dev,>=2.18.0->google-api-core[grpc]<3.0.0dev,>=1.26.0->google-cloud-aiplatform) (3.1)

Requirement already satisfied: certifi>=2017.4.17 in /opt/conda/lib/python3.7/site-packages (from requests<3.0.0dev,>=2.18.0->google-api-core[grpc]<3.0.0dev,>=1.26.0->google-cloud-aiplatform) (2021.10.8)

Requirement already satisfied: cffi>=1.0.0 in /opt/conda/lib/python3.7/site-packages (from google-crc32c<2.0dev,>=1.0->google-resumable-media<3.0dev,>=0.6.0->google-cloud-bigquery<3.0.0dev,>=1.15.0->google-cloud-aiplatform) (1.15.0)

Requirement already satisfied: pyasn1<0.5.0,>=0.4.6 in /opt/conda/lib/python3.7/site-packages (from pyasn1-modules>=0.2.1->google-auth<3.0dev,>=1.25.0->google-api-core[grpc]<3.0.0dev,>=1.26.0->google-cloud-

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aiplatform) (0.4.8)
Requirement already satisfied: pycparser in /opt/conda/lib/python3.7/site-
packages (from cffi>=1.0.0->google-crc32c<2.0dev,>=1.0->google-resumable-
media<3.0dev,>=0.6.0->google-cloud-bigquery<3.0.0dev,>=1.15.0->google-cloud-
aiplatform) (2.21)
Installing collected packages: google-cloud-aiplatform
  WARNING: The script tb-gcp-uploader is installed in
  '/home/jupyter/.local/bin' which is not on PATH.

  Consider adding this directory to PATH or, if you prefer to suppress this
  warning, use --no-warn-script-location.
Successfully installed google-cloud-aiplatform-1.8.0
```

```
[2]: from google.cloud import aiplatform

endpoint = aiplatform.Endpoint(
    endpoint_name="projects/141389643116/locations/us-central1/endpoints/
    ↪1658529727616385024"
)
```

```
[3]: test_instance={
    'Time': 80422,
    'Amount': 17.99,
    'V1': -0.24,
    'V2': -0.027,
    'V3': 0.064,
    'V4': -0.16,
    'V5': -0.152,
    'V6': -0.3,
    'V7': -0.03,
    'V8': -0.01,
    'V9': -0.13,
    'V10': -0.18,
    'V11': -0.16,
    'V12': 0.06,
    'V13': -0.11,
    'V14': 2.1,
    'V15': -0.07,
    'V16': -0.033,
    'V17': -0.14,
    'V18': -0.08,
    'V19': -0.062,
    'V20': -0.08,
    'V21': -0.06,
    'V22': -0.088,
    'V23': -0.03,
    'V24': 0.01,
```

```
'V25': -0.04,  
'V26': -0.99,  
'V27': -0.13,  
'V28': 0.003  
}  
  
response = endpoint.predict([test_instance])  
  
print('API response: ', response)
```

```
API response: Prediction(predictions=[{'classes': ['0', '1'], 'scores':  
[0.8859193921089172, 0.1140805631875992]}],  
deployed_model_id='7420920635209023488', explanations=None)
```

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[ ]:
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