Azure /
azure-sdk-for-python

<> **Code**   ⊙ Issues 1.1k   ⊥↑ Pull requests 115   ▷ Actions   ▦ Projects 7   📖 Wiki   ⊘ Security   ⬔

azure-sdk-for-python / **sdk** / **contentsafety** / **azure-ai-contentsafety** / **samples** / **sample_analyze_text.py**   ⋯

🖼️ 3 people   [Cognitive Services - Azure AI Content Safety]: Upgrade sdk to ne...   ●●●   ✕   2 months ago   ●●●   ⟲

🛡️ 59 lines (46 loc) · 2.11 KB

| Code | Blame | | | Raw 🗐 ⬇ ✎ ▾ | <> |

```python
1    # coding: utf-8
2
3    # -------------------------------------------------------------------------
4    # Copyright (c) Microsoft Corporation. All rights reserved.
5    # Licensed under the MIT License. See License.txt in the project root for
6    # license information.
7    # -------------------------------------------------------------------------
8
9
10 ⌄ def analyze_text():
11       # [START analyze_text]
12
13       import os
14       from azure.ai.contentsafety import ContentSafetyClient
15       from azure.ai.contentsafety.models import TextCategory
16       from azure.core.credentials import AzureKeyCredential
17       from azure.core.exceptions import HttpResponseError
18       from azure.ai.contentsafety.models import AnalyzeTextOptions
19
20       key = os.environ["CONTENT_SAFETY_KEY"]
21       endpoint = os.environ["CONTENT_SAFETY_ENDPOINT"]
22
23       # Create a Content Safety client
24       client = ContentSafetyClient(endpoint, AzureKeyCredential(key))
25
26       # Construct a request
27       request = AnalyzeTextOptions(text="You are an idiot")
28
29       # Analyze text
30       try:
31           response = client.analyze_text(request)
32       except HttpResponseError as e:
33           print("Analyze text failed.")
34           if e.error:
35               print(f"Error code: {e.error.code}")
36               print(f"Error message: {e.error.message}")
37               raise
```

```python
38          print(e)
39          raise
40
41      hate_result = next(item for item in response.categories_analysis if item.category == TextCategory.HAT
42      self_harm_result = next(item for item in response.categories_analysis if item.category == TextCategor
43      sexual_result = next(item for item in response.categories_analysis if item.category == TextCategory.S
44      violence_result = next(item for item in response.categories_analysis if item.category == TextCategory
45
46      if hate_result:
47          print(f"Hate severity: {hate_result.severity}")
48      if self_harm_result:
49          print(f"SelfHarm severity: {self_harm_result.severity}")
50      if sexual_result:
51          print(f"Sexual severity: {sexual_result.severity}")
52      if violence_result:
53          print(f"Violence severity: {violence_result.severity}")
54
55      # [END analyze_text]
56
57
58  if __name__ == "__main__":
59      analyze_text()
```