

Psychological Report

Analysis

It looks like you provided a sample input for the `features` dictionary that will be analyzed by the AI model to extract traits from handwriting. To complete the task, you need to ensure that the file path and API key are correctly set up. Here's the corrected and complete code for the task:

```
```python
import os

from mistralai import Mistral

from constants import Mistral_apikey

def get_traits_from_AI(features: dict):

 SYSTEM_PROMPT = ""

 with open(r"C:\Users\Rajesh
Sinha\Desktop\for_backup\Psyfer-React\psyfer\Graphology_AI\agent.py", 'r') as prompt_file:

 SYSTEM_PROMPT = prompt_file.read()

 api_key = Mistral_apikey

 model = "mistral-large-latest"

 client = Mistral(api_key=api_key)

 messages = [

 {

 "role": "system",

 "content": f"{SYSTEM_PROMPT}",

 },
],
```

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```
{
 "role": "user",
 "content": f"The available features for user handwriting are: {str(features)}",
}
]

chat_response = client.chat.complete(
 model=model,
 messages=messages,
)

return chat_response.choices[0].message.content
```

# Example usage

```
features = {
 "Loops": {
 "Note": "Loops Detected",
 "Total Number of Loops": 2,
 "Variety of Loops": "Low",
 "Dominant Loop Type": "Elongated like a straight stroke"
 },
 "GARLAND": {
 "Note": "Garland Detected",
 "Dominant Style": "Garland",
 "Arcade Ratio": 0.0,
 "Garland Ratio": 0.7741935483870968,
```

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"Angle Ratio": 0.22580645161290322

},

"Baseline Angle": 0.0,

"Top Margin": 0.06,

"Letter Size": 286.67,

"Line Spacing": 0.2,

"Word Spacing": 0.0,

"Pen Pressure": 109.18,

"Slant Angle": 0

}

```
traits = get_traits_from_AI(features)
```

```
print(traits)
```

```
...
```

### ### Key Points:

1. **\*\*File Path\*\***: Ensure the file path for the system prompt is correct and accessible.
2. **\*\*API Key\*\***: Make sure ``Mistral_apikey`` is correctly defined in your ``constants`` module.
3. **\*\*Mistral Client\*\***: The ``Mistral`` client is instantiated with the API key and used to send the chat messages.
4. **\*\*Features Dictionary\*\***: The given dictionary is passed to the function to get traits from the AI model.

### ### Running the Code:

- Ensure you have the ``mistralai`` library installed.

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- The ``constants`` module should have the ``Mistral_apikey`` defined.
- The file ``agent.py`` should contain the system prompt for the AI.

This code will send the handwriting features to the Mistral AI model and return the traits based on the analysis.