bnemo Documentation

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CHAPTER 1

A Python package for translating Emoji and Emoticons into Bengali text.

Using `bnemo` for translating emoji, emoticons into Bengali text

```
In [1]: from bnemo import Translator

In [2]: emoji_translator = Translator()

In [3]: input_text = "তুমি বড় কষ্ট দিলে 😭"

In [4]: result = emoji_translator.translate(input_text)

In [5]: print(f"Translation: {result.text}\nEmoji: {result.emo}\nPositions: {result.pos}\nMeaning: {result.meaning}")
Translation: তুমি বড় কষ্ট দিলে জোরে জোরে কান্নাকাটি
Emoji: ['😭']
Positions: [[18, 19]]
Meaning: ['জোরে জোরে কান্নাকাটি']
```

1.1 Background

1.2 Installation

Install using the following command -

```
pip install bnemo
```

Uninstall using the following command -

```
pip uninstall bnemo
```

1.3 Getting Started

To use `bnemo` install it using `pip`. And make sure you have the required python version in your environment, i.e. `python >= 3.5`.

CHAPTER 2

Step#1:

Import the `Translator` class from `bnemo` module.

```
from bnemo import Translator
```

CHAPTER 3

Step#2:

Create an instance of `Translator` class.

```
translator = Translator()
```

CHAPTER 4

Step#3:

Use the `translate()` method of `Translator` class to translate any emoji, emoticons in your Bengali text data.

```
input_text = "     "
result = translator.translate(input_text)
```

CHAPTER 5

Step#4:

It will return a `Result` object, that has four attributes.

Attribute	Data Type	Explanation
text	String	This is the translated text from bnemo
emo	List	List of all the emoji, emoticons in the given input text
pos	List of list	This is the list of start and ending index of each emoji in the input text
meaning	List of Strings	This is the list of meanings for each emoji, emoticons in the input text

CHAPTER 6

Step#5:

If you follow the above steps you might get the output as bellow -

```
print(f"Translation: {result.text}\nEmoji: {result.emo}\nPositions: {result.pos}
↪\nMeaning: {result.meaning}")
```

Output:

```
Translation:
Emoji: ['']
Positions: [[18, 19]]
Meaning: ['  ']
```

6.1 How to Contribute

You can contribute in the following ways -

- You can suggest better translation for any emoji, emoticons and send a pull request.
- You can create notebooks for showing use cases of this package or emoji database.
- Or may be in someother way not listed here

6.2 Inspiration

- The package was inspired by the awesome tool that you can use for translating emoji, emoticons into english phrases. Check out this awesome tool as well. https://github.com/NeelShah18/emot
- List of unicode emojis https://unicode.org/emoji/charts/full-emoji-list.html