Nerddy

NATURAL LANGUAGE PROCESSING API

About the API

Nerddy NLP analyzes messages and short dialogues. The API is mainly intended for use by apps that use Nerddy's Messages API to communicate with users. Nerddy NLP recognizes several entity types such as selection, dates, numbers, URLs, emails, phone numbers, and Nerddy users in addition to the recognition of intents such as approval, response, greeting, goodbye, negotiation, and question.

Authentication

- Requires appid and accesskey.

API URL

http://www.nerddy.com/beta/nlp/ v1

Supported Methods

POST

Request Format

Here is a sample request body:

{"appid":"xxxx","accesskey":"xxxx","requestid":"xxxx","type":"x",
"returnverbs":"x","textcontent":"xxxx xxxx ","originalcontent":{"1":"xxxx xxxx", "2":"xxxx xxxx"},
dumpdata{"xxxx":"xxxx xxxx", "xxxx":"xxxx xxxx"}}

appid	Your app's parent (global) app ID
accesskey	Your parent app's access key
requestid	A random integer (required for reference)
type	Can be 1 or 2. Specify as 1 by default. Specify as 2 if you wish to compare textcontent to originalcontent options to determine what selection was made by the user.
returnverbs	Can be 0 or 1. Specify as 1 only if you want Nerddy to extract verbs from the textcontent provided.
textcontent	Specify the textcontent to be analyzed. Typically this is the message you received from the end user.
originalcontent	Use this with type 2 requests. Specify the original options given to the user in JSON format. Nerddy

	will return the key of the selection (must be int) that the textcontent most likely refers to.
dumpdata	This can be any JSON that you want to see back in the response. This is useful as you can analyze conversations without having to keep track of every message.

Response Format

The response will return the text analysis.

{"requestid":"xxxx","textcontent":"xxxx xxxx","originalcontent":{"1":"xxxx xxxx", "2":"xxxx xxxx"},dumpdata{"xxxx":"xxxx xxxx", "xxxx":"xxxx xxxx"},"approve":"x","selection":"x","numbers":"x,x,x","urls":"xxxx,xxxx,xxxx","nerddyusers":"xxxx,xxxx,xxxx","emails":"xxxx,xxxx,xxxx","verbs":"xxxx,xxxx","intent":"xxxx"}

requestid	The requestid you provided in the original request.
textcontent	The textcontent you provided in the original request.
originalcontent	The originalcontent you provided in the original request.
dumpdata	The dumpdata you provided in the original request.
approve	This parameter indicates whether or not the textcontent given indicates approval. If the textcontent indicates approval, approve will return 100. If it indicates a no, it will return 0. If the textcontent neither indicates a yes or no, it will return 50.
selection	This returns the integer key associated with the selection in the originalcontent. Nerddy compares the textcontent to the originalcontent based on an algorithm to determine the user selection. This will be empty if original request was type 1.
numbers	The numbers extracted from the textcontent separated by commas.
urls	URLs in the query separated by commas.
nerddyusers	Userid(s) of Nerddy users that are associated with usernames or useremails given in the textcontent.
emails	E-mail addresses extracted from textcontent separated by commas.

verbs	Verbs extracted from textcontent separated by commas.
intent	Intent can be one or more of these: • greeting: the user said “hello” or “hi” or something similar. • goodbye: the user wants to end the conversation. • response: the textcontent is likely a response to a question. • question: the user is asking a question. • negotiation: the user is trying to negotiate price. Multiple intents will be separated by commas.
dates	A comma-delimited list of dates given in the query in U.S. date format sorted in ascending order. textcontent: I am looking for a hotel room in Antarctica from March 10th and we are coming back to China around 15th of March API Returns: "dates":"03/10/2018, 03/15/2018". The API can recognize dates regardless of the way they are written.