CREA_library Methods

Create an instance of CREA_library Get_all_vectors() Get all vectors from dataset. Gets the vectors for a specific word. Gets the vectors for a list of words. Gets the vectors for a list of words. Select_cols (words, columns) Select_s specific columns from word vectors. Computes cosine_similarity(vec1, vec2) Computes cosine similarity between two words or a given word. Select_similar (word, n=5) Finds the top n most similar words to a given word. Semoves category names from a JSON file, returning float-only vectors. Sextracts raw Green and since the columns form word vectors. Sextracts raw Green and since the columns form word vectors. Sextracts raw Green and since the columns form word vectors. Sextracts raw Green and since the columns form word vectors. Sextracts raw Green and since the columns form word vectors. Sextracts raw Green and since the columns form word vectors. Sextracts raw Green and since the columns form word vectors. Sextracts raw Green and since the columns form word vectors Sextracts raw Green and since the columns form word vectors Sextracts raw Green and since the columns form word vectors Sextracts raw Green and since the columns form word vectors Sextracts raw Green and since the columns form word vectors Sextracts raw Green and since the columns form word vectors Sextracts raw Green and since the columns form word vectors Sextracts raw Green and since the columns form word vectors Sextracts raw Green and since the columns word vectors Sextracts raw Green and since the columns word vectors Sextracts raw Green and since the columns word vectors Sextracts raw Green and since the columns word vectors Sextracts raw Green and since the columns word vectors Sextracts raw Green and since the columns word vectors Sextracts raw Green and since the columns word vectors Sextracts raw Green and since the columns vector Sextracts raw Green and since the columns Sextracts raw Green and since the columns Sextracts raw Green a	Method	Description	Parameters	Output
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into a CSV file. file path results.csv				results.csv
load_word_from_json(file_name) Loads a	load word from ison(file name)		ine paul	
dictionary of file name			file name	
word vectors (str): JSON dict: Word		•	_	dict: Word
from a JSON file path vectors				vectors
file.			F	
calculate_averages(file_name)	<pre>calculate_averages(file name)</pre>		file name	df: Averages
averages of the str): CSV calculated from			_	_
CREA dataset file path raw scores		_		

```
strip is useful if the vectors have the category tags with them. For example:
```

```
{'molecule': {'Vision': 0.53125,
    'Bright': 0.96875,
    'Dark': 0.71875,
    'Color': 1.1875,
    'Pattern': 1.625,
    'Large': 0.125},

'automobile: {'Vision': 5.53,
    'Bright': 1.9,
    'Dark': 1.83,
    'Color': 2.13,
    'Pattern': 2.7,
    'Large': 4.43 }}
Can be changed to:
{'molecule': [0.53125, 0.96875, 0.71875, 1.1875, 1.625, 0.125],
    'automobile': [5.53, 1.9, 1.83, 2.13, 2.7, 4.43]}
This can the initial address CDEA library News the remaining model.
```

This can then be initialized by CREA_library. Now the remaining methods can be used. Examples:

```
stripped_dict = CREA_library.strip('file_path.json')
word_dict = CREA_library(stripped_dict)
word_dict.get_all_vectors()
single_word = word_dict.get_vector('word1')
multiple_words = word_dict.get_vectors(['word1', 'word2', ..., 'wordn'])
specific_cols = word_dict.select_cols(['word1'], [0, 1, 2])
similar = word_dict.cosine_similarity('word1', 'word2')
top_similar = word_dict.top_n_similar('word1', 5)
```

If getting data from psychopy and getting raw df or calculate averages

```
fname = 'results.json'
CREA_library.get_raw(fname)
with open('results.csv', 'r') as f:
    df = pd.read_csv(f)

CREA_library.calculate_averages('results.csv')
```

Exports data from psychopy named 'results.json' to a csv file that it updated with each new output of the experiment