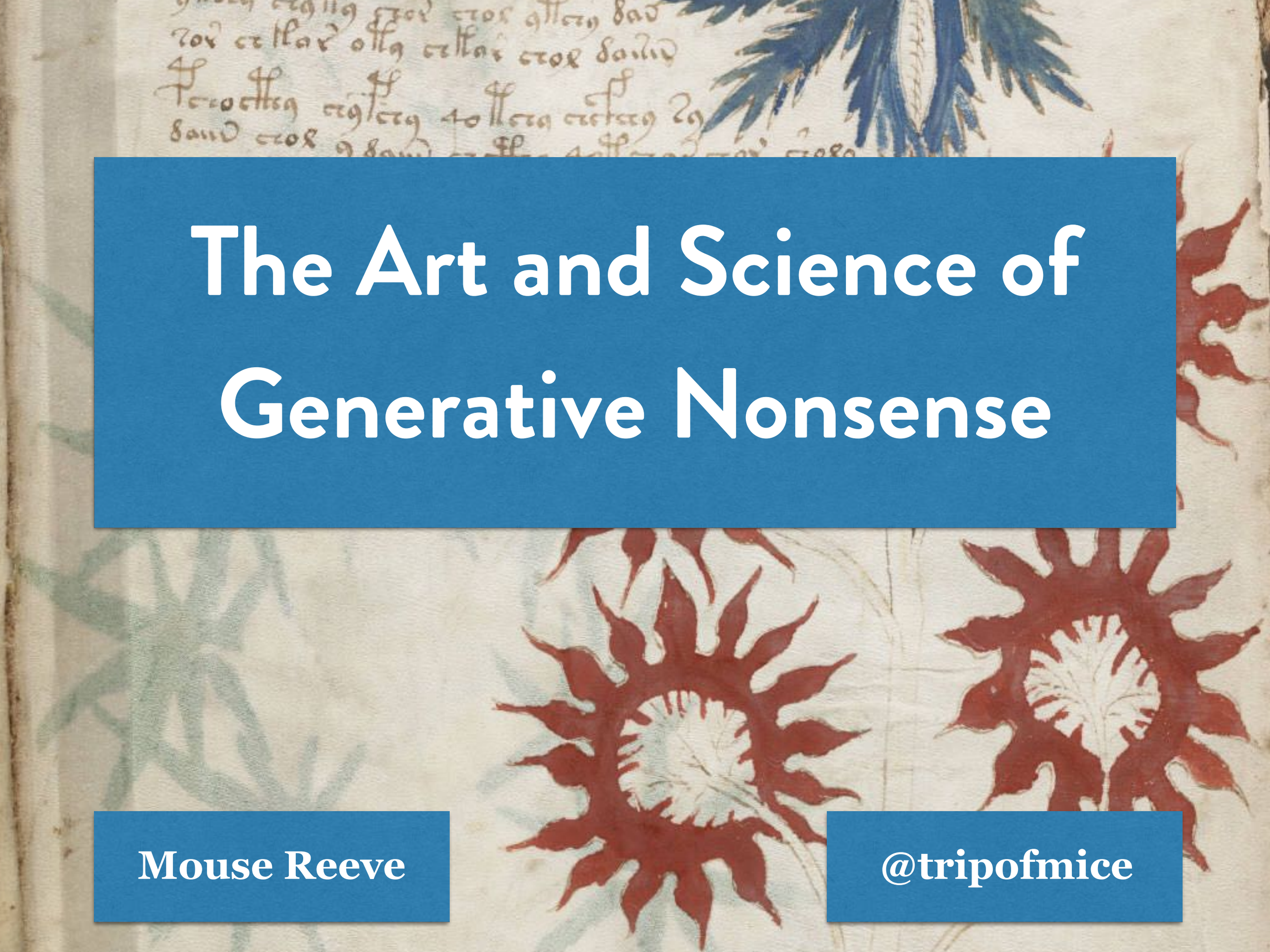
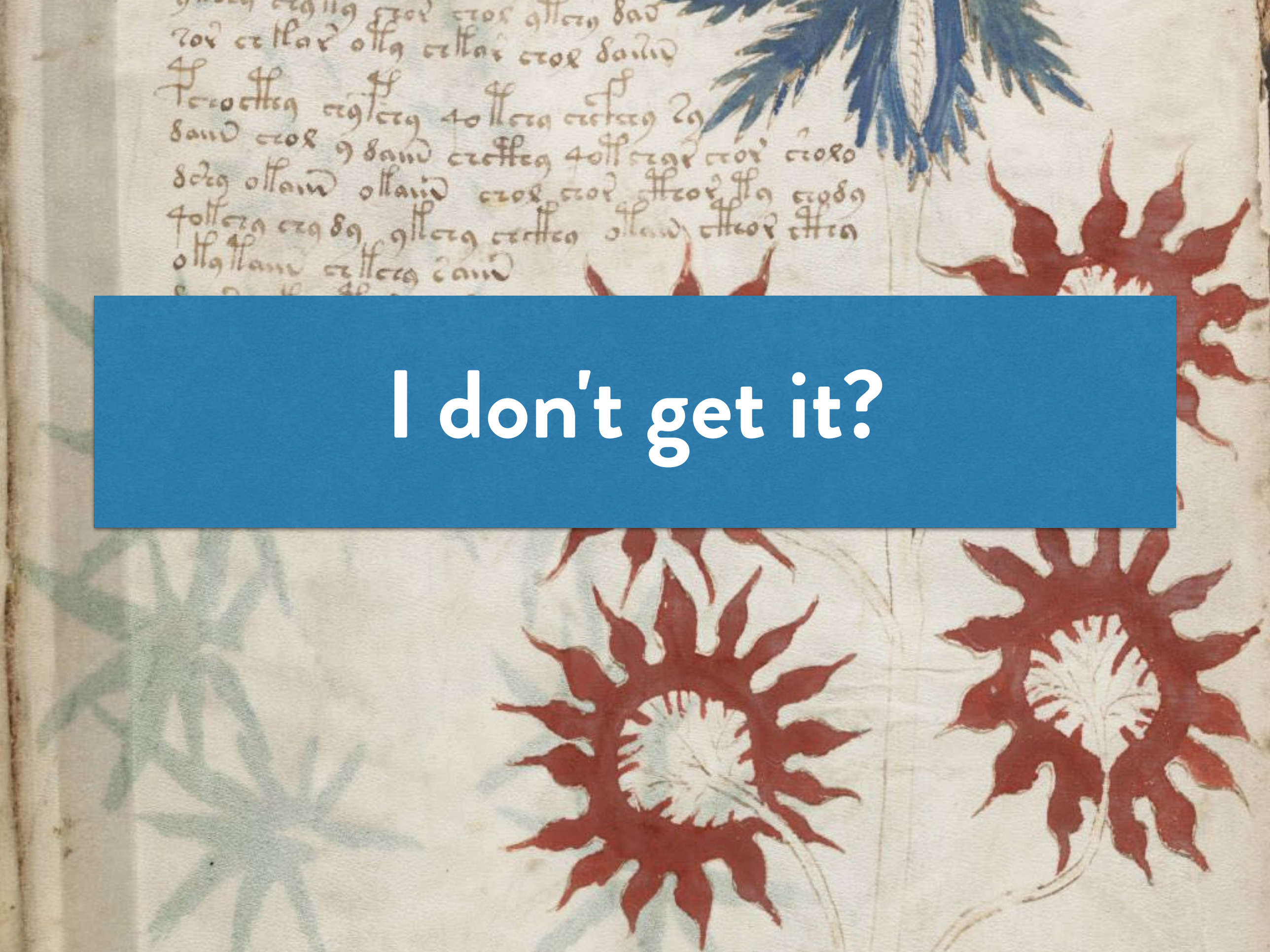


The Art and Science of Generative Nonsense

Mouse Reeve

@tripofmice



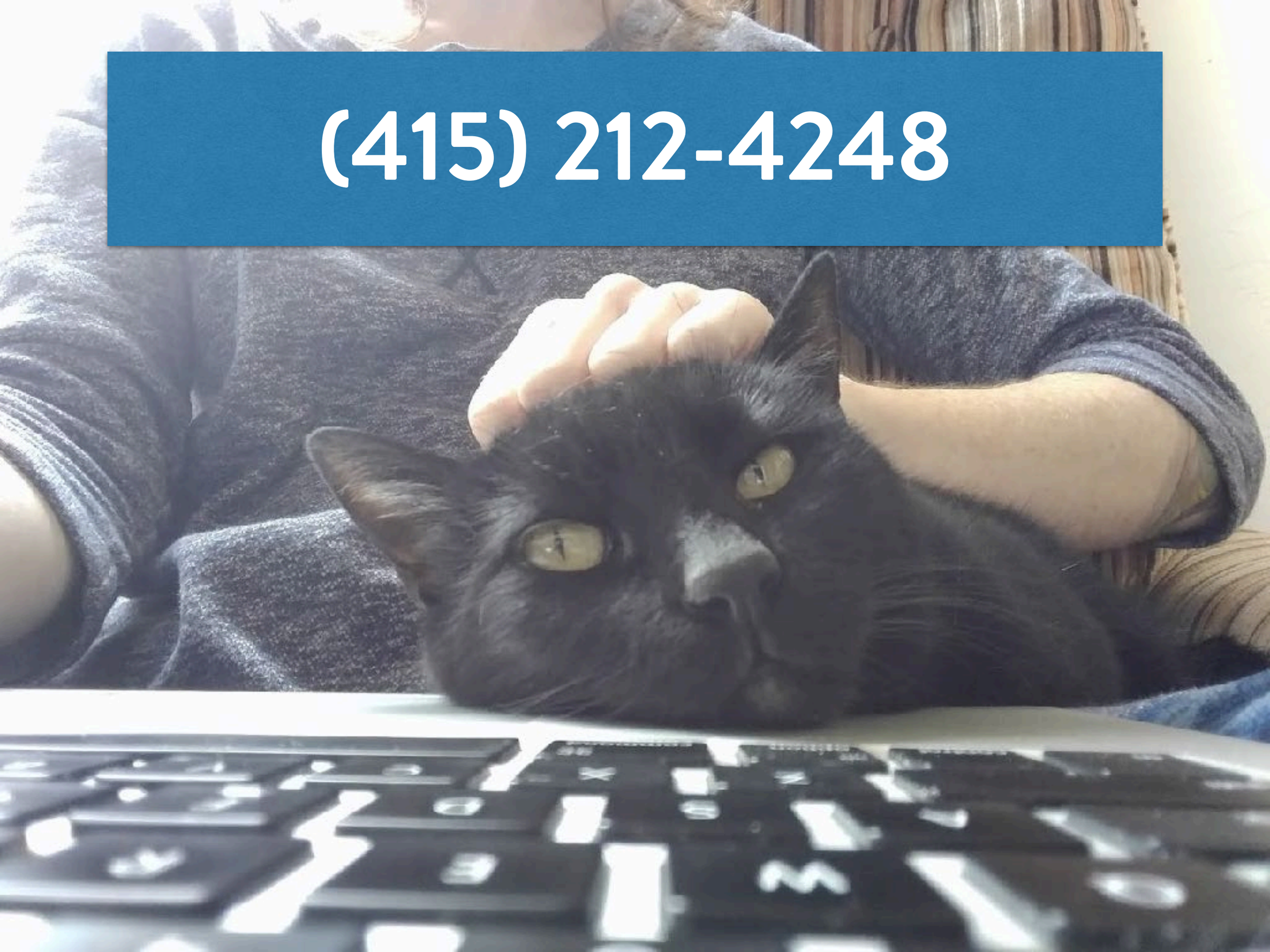
I don't get it?

USELESS

POINTLESS

NONSENSE

CAPITALISM


(415) 212-4248

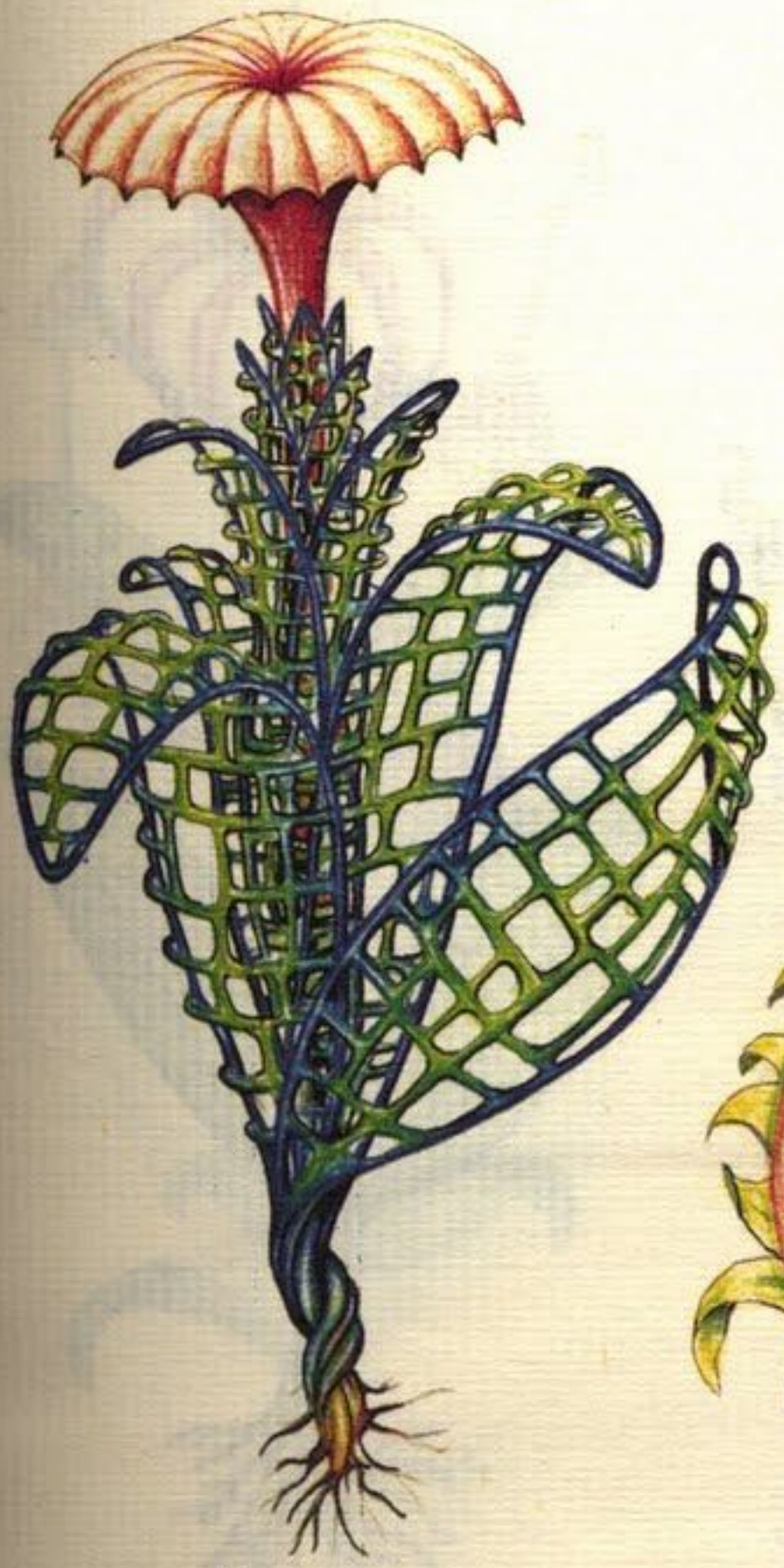
Canterbury Tales

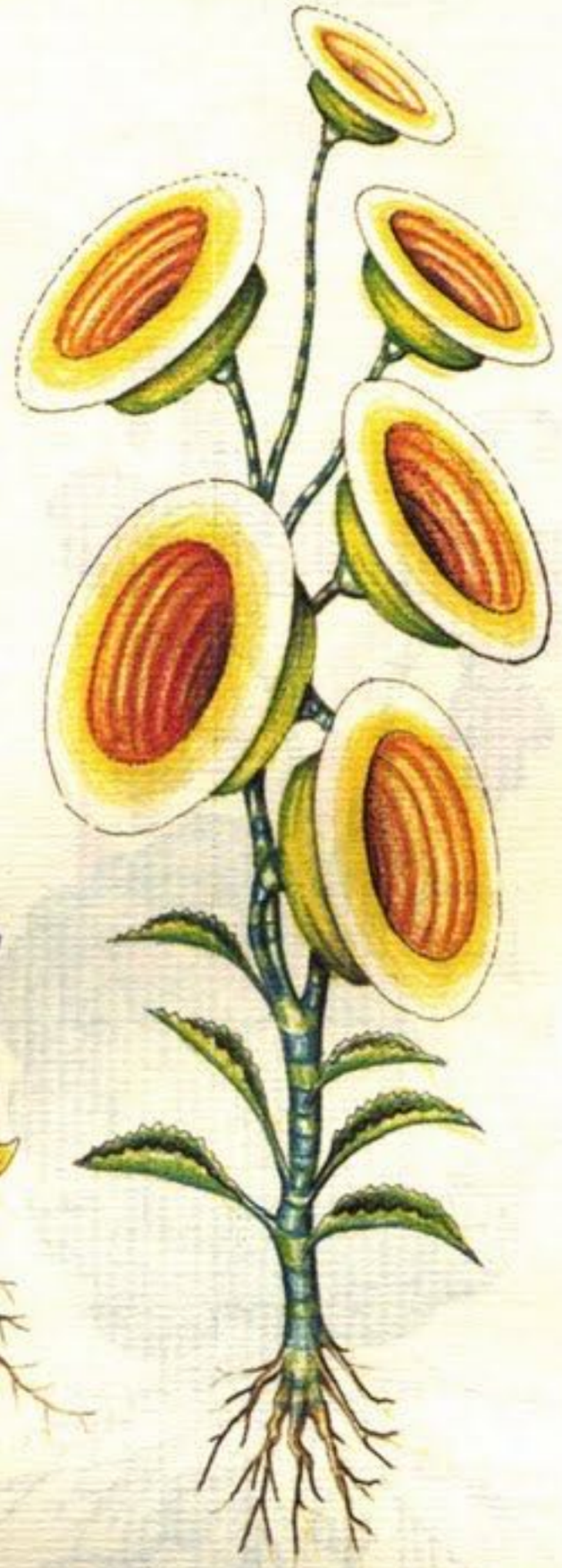
Geoffrey Chaucer

WHAN that Aprille with his shoures soote
The droghte of Marche hath perced to the roote,
And bathed every veyne in swich licour,
Of which vertu engendred is the flour;

...

Wade into the Surf





```
ac 9e a9 2d 1f 6e 5e d2 c6 6d 0f 37 2b e0 20 ea
0f 79 55 07 73 da 11 4f 43 a2 9c 82 c3 94 ad 7a
d1 80 ed d5 74 17 73 e9 bb 9d 94 33 aa 36 fb 70
68 39 6a 58 84 68 5f 43 6a 62 3b ed 77 6e 71 d5
00 a6 67 a9 6e af c4 aa 7f 04 db f2 40 41 ed 02
5e 69 12 de 89 ec 4e bd fa bb 90 23 70 3f 10 c6
74 56 6f 69 56 06 00 dd 14 ce ef d8 d7 6f d6 12
dd cd 2b 41 a6 eb 25 39 3f d8 64 b7 ea 1a 46 03
06 c8 de c2 3a 51 40 72 59 2f c8 2c c4 22 a0 f1
dc 46 d8 24 e9 f6 ee cd 84 20 04 2e 04 df 1d c3
01 cb 60 a3 cc c0 97 cb 74 e9 96 4b 40 0e 1e 35
2f e1 5c b8 a9 97 6a b1 1b e2 05 c9 bb fc e7 c3
18 60 8f 99 8c bb 8c 39 ea a9 23 de af 47 f5 5d
68 b7 6a 95 db e9 b5 29 6c 50 15 60 2d ab cc ee
e7 84 ad d7 54 d4 e2 3a e0 9c f6 11 6d 5e 0d 9f
5e 45 46 a5 88 13 fb 06 b7 65 e0 2e 50 30 3e f4
a2 ad 70 0d 71 cb 51 ea 5e e3 09 f9 2f c1 cf d6
76 46 80 e8 5d 6f b4 67 57 b0 75 09 54 6c aa 04
```

The Jabberwocky

Lewis Carroll

'Twas brillig, and the slithy toves
Did gyre and gimble in the wabe;
All mimsy were the borogoves,
And the mome raths outgrabe.

...

Break Things

- **Model of reality**
  - **Sentences**
    - **Syntax**
    - **Semantics**
- **Words**
  - **Inflection**
    - **Spelling**
    - **Characters**

The Common Cormorant

Christopher Isherwood

The common cormorant (or shag)
Lays eggs inside a paper bag,
You follow the idea, no doubt?
It's to keep the lightning out.

But what these unobservant birds
Have never thought of, is that herds
Of wandering bears might come with buns
And steal the bags to hold the crumbs.

hackertyper.net

```
group_info->nblocks = nblocks;
atomic_set(&group_info->usage, 1);

if (gidsetsize <= NGROUPS_SMALL)
    group_info->blocks[0] = group_info->small_block;
else {
    for (i = 0; i < nblocks; i++) {
        gid_t *b;
        b = (void *)__get_free_page(GFP_USER);
        if (!b)
            goto out_undo_partial_alloc;
        group_info->blocks[i] = b;
    }
    }
    return group_info;

out_undo_partial_alloc:
    while (--i >= 0) {
        free_page((unsigned long)group_info->blocks[i]);
    }
    kfree(group_info);
    return NULL;
}

EXPORT_SYMBOL(groups_alloc);
```

???COMPUTERS???

...it is wrong to think of human use of language as characteristically informative, in fact or in intention.

-- Noam Chomsky

mousereeve.com/resume

...flask is flask to flask of flask flask of flask as flaskically flaskive, in flask or in flask.

-- Noam Chomsky

mousereeve.com/resume

...it is wrong to think of human use of language as characteristically informative, in fact or in intention.

-- Noam Chomsky

mousereeve.com/chomsky

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mousereeve.com/chomsky

wrong ...it is to think of human use of characteristically language as in informative, or in fact intention.

-- Noam Chomsky

mousereeve.com/chomsky

wrong ...it to is think of use human of characteristically as language informative or in, in intention. fact

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mousereeve.com/chomsky

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-- Noam Chomsky

mousereeve.com/chomsky

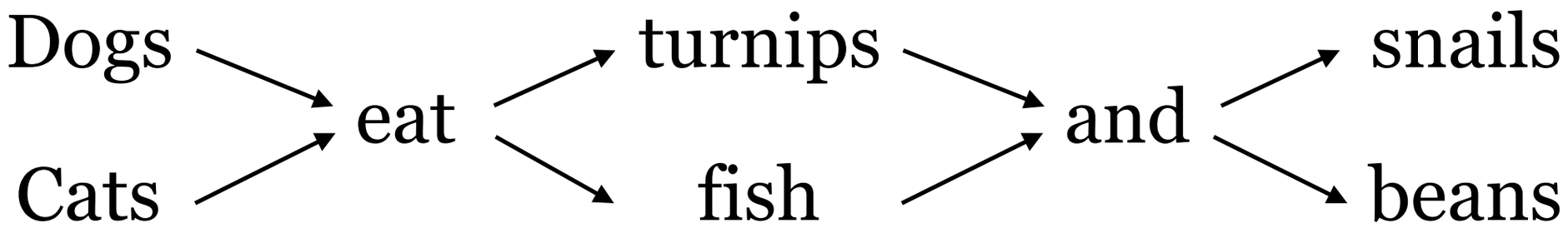
Markov Chains & N-Grams

Dogs eat turnips and snails.

Dogs ⟶ eat ⟶ turnips ⟶ and ⟶ snails

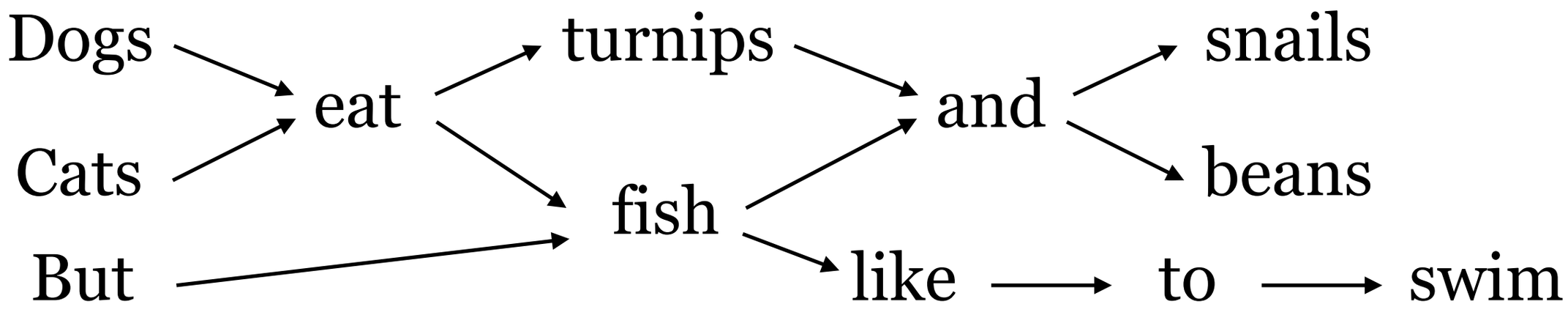
Markov Chains & N-Grams

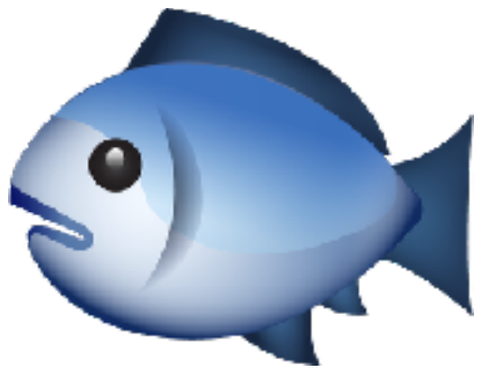
Dogs eat turnips and snails.
Cats eat fish and beans.



Markov Chains & N-Grams

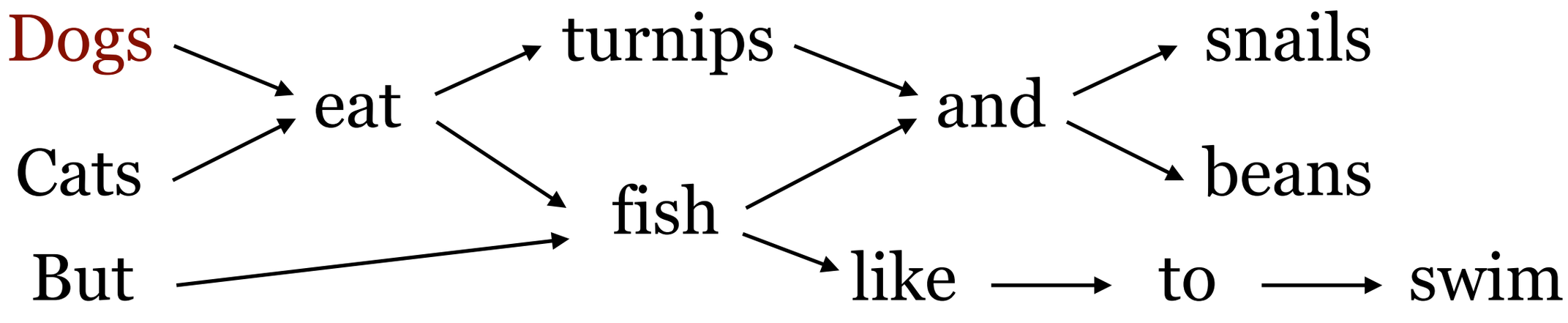
Dogs eat turnips and snails.
Cats eat fish and beans.
But fish like to swim.





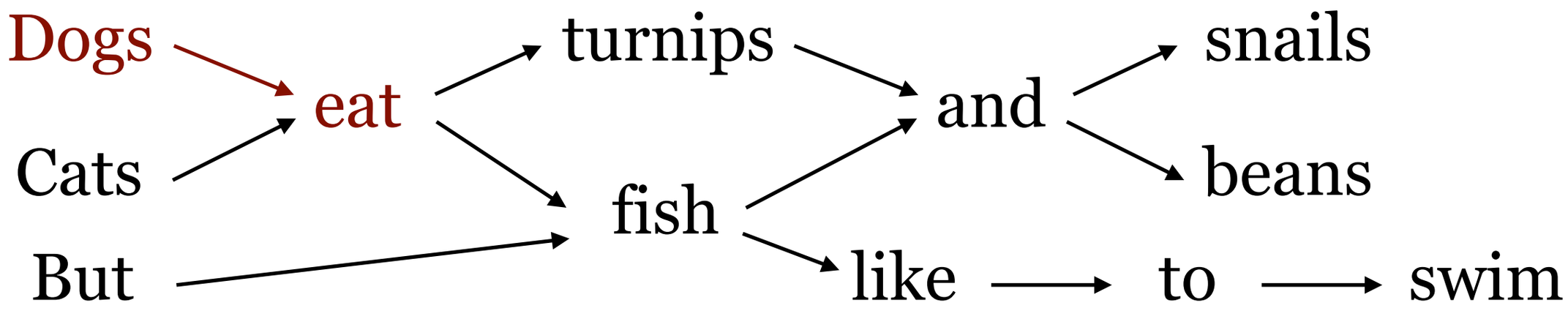
Markov Chains & N-Grams

Dogs



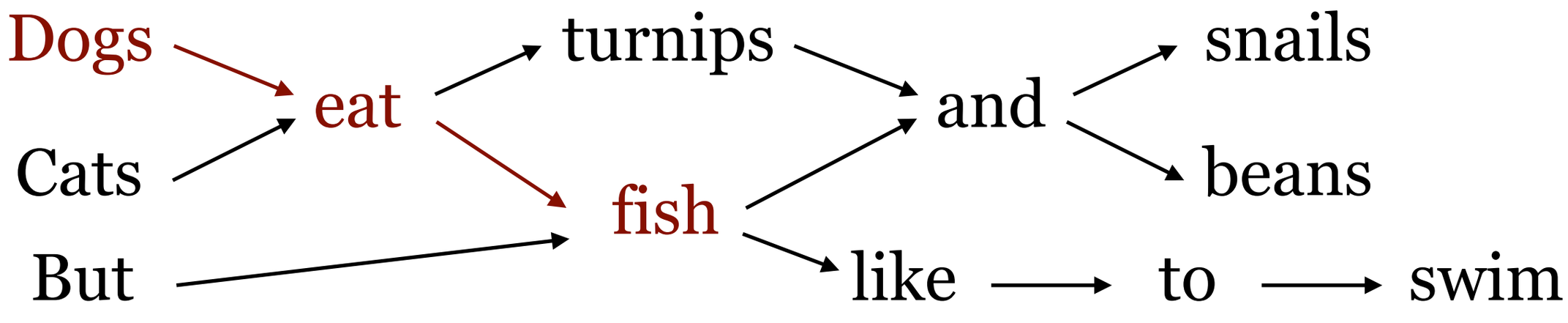
Markov Chains & N-Grams

Dogs eat



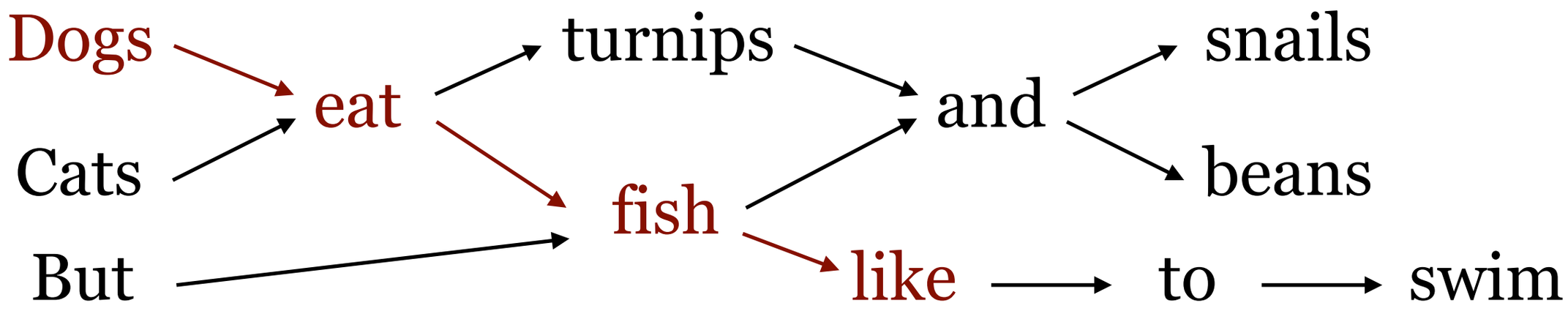
Markov Chains & N-Grams

Dogs eat fish



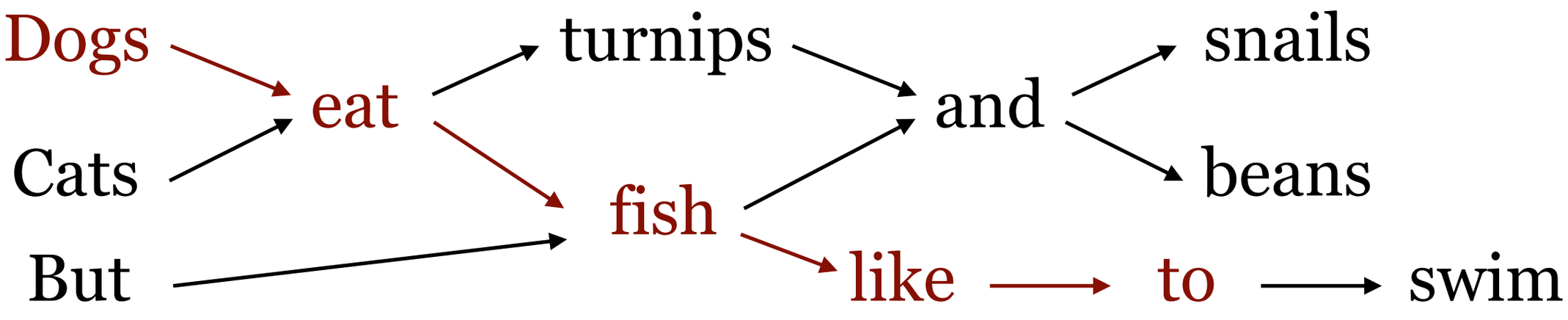
Markov Chains & N-Grams

Dogs eat fish like



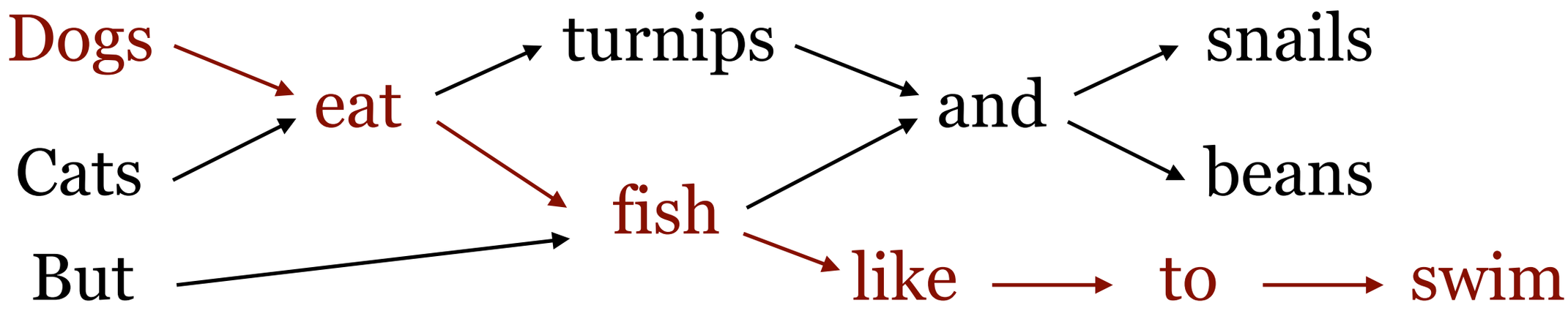
Markov Chains & N-Grams

Dogs eat fish like to



Markov Chains & N-Grams

Dogs eat fish like to swim.



Markov Chains & N-Grams

Blagay's bilberry (*Cirautia pinalpina*)

Mountain september goldfields (*Monis bellysis*)

Toothed choking deadnettle (*Pyrula nostris*)

Green archaic monkshood (*Solchina trostricarvensi*)

mousereeve.com/flora

Daisy Ossai
@daisyduck_99

Follow

the devil decieves us with the spirit of guilt and regret , he makes us feel unworthy of Gods glory due to our past actions ..

3:12 AM - 1 May 2017

1

Daisy Ossai
@daisyduck_99

Follow

the devil decieves us with the spirit of guilt and regret , he makes us feel unworthy of Gods glory due to our past actions ..

3:12 AM - 1 May 2017

1

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Great antshrike

From Wikipedia, the free encyclopedia
(Redirected from Taraba major)

The **great antshrike** (*Taraba major*) is a passerine bird in the antbird family. It is the only member of the genus ***Taraba*** (monotypic).

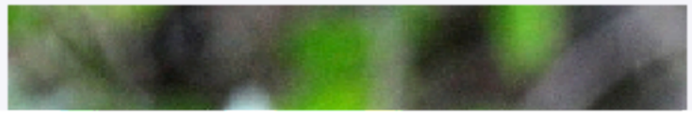
It is a resident breeder in the tropical New World in southern Mexico, Central America, Trinidad and South America down to northern Argentina and southeastern Brazil.

This is a bird of thickets, cocoa and citrus plantations and sometimes gardens, with a preference for dense undergrowth. It is usually found as territorial pairs. The female lays two, sometimes three, grey-marked white eggs in a deep cup nest in a shrub, which are incubated by both sexes for 14 days to hatching. The chicks fledge in another 12 days.

The great antshrike is a large and distinctive antbird, typically 20.3 cm long, and weighs 56 g. It has a crest, heavy hooked bill, and brilliant red eyes. The adult male has black upperparts, with two white wingbars and white underparts. There is a white dorsal patch normally concealed except in threat display; young males are similar to the adult, but have rufous wing coverts. The female has rich rufous upperparts and white underparts.

Great antshrike

A male great antshrike at Alto Paraíso de Goiás, Goiás State, Brazil



The great antshrike (*Taraba major*) makes us feel unworthy of Gods glory due to our past actions.

@bird_facts_bot

Part of Speech Tagging

- Identifying what grammatical function a word serves in context

"And now for something completely different."

```
[('And', 'CC'), ('now', 'RB'), ('for', 'IN'),
('something', 'NN'), ('completely', 'RB'),
('different', 'JJ')]
```

- "Penn Treebank" tags
- Python NLTK nltk.org/book/ch05.html
- Pattern clips.ua.ac.be/pages/pattern-en

Part of Speech Tagging

```
>>> from nltk import pos_tag, word_tokenize
>>> text = 'And now for something completely different.'
```

Part of Speech Tagging

```
>>> from nltk import pos_tag, word_tokenize
>>> text = 'And now for something completely different.'
>>> tokens = word_tokenize(text)
>>> print tokens
['And', 'now', 'for', 'something', 'completely', 'different', '.']
```

Part of Speech Tagging

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>>> tags = pos_tag(tokens)
>>> print tags
[('And', 'CC'), ('now', 'RB'), ('for', 'IN'), ('something', 'NN'),
('completely', 'RB'), ('different', 'JJ'), ('.', '.')]
```

Part of Speech Tagging

```
[('And', 'CC'), ('now', 'RB'), ('for', 'IN'),
('something', 'NN'), ('completely', 'RB'),
('different', 'JJ'), ('.', '.')]
```

Penn Treebank

- CC: Coordinated Conjunction
- RB: Adverb
- IN: Preposition or subordinating conjunction
- NN: Noun, singular
- JJ: Adjective

Part of Speech Tagging

Wikipedia on Chocolate Chip Cookies:

"Every bag of Nestlé chocolate chips sold in North America has a variation (butter vs. margarine is now a stated option) of her original recipe printed on the back."

@brand_new_facts

Part of Speech Tagging

Wikipedia on Chocolate Chip Cookies:

"Every bag of Nestlé chocolate chips **sold** in North America has a variation (butter vs. margarine is now a stated option) of her original recipe printed on the back."

@brand_new_facts

Part of Speech Tagging

Wikipedia on Theistic Satanism:

"A follower believes Satan to be a supernatural being or force that may be contacted or supplicated to."

@brand_new_facts

Part of Speech Tagging

Wikipedia on Theistic Satanism:

"A follower **believes** Satan to be a supernatural being or force that may be contacted or supplicated to."

@brand_new_facts

Part of Speech Tagging

"Every bag of Nestlé chocolate chips **sold** in North America has a variation (butter vs. margarine is now a stated option) of her original recipe printed on the back."

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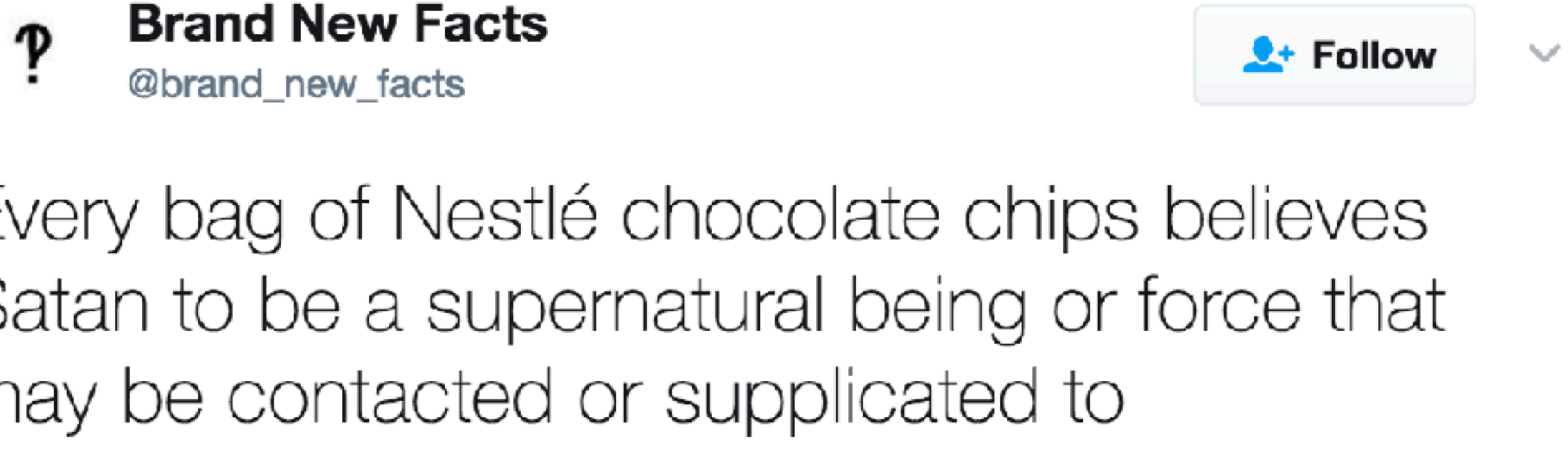
Part of Speech Tagging

"Every bag of Nestlé chocolate chips

believes Satan to be a supernatural being or force that may be contacted or supplicated to."

Part of Speech Tagging



Inflection

- **Inflection**: Variations a word to convey its grammatical function

- **Conjugation**: Variations of a verb based on tense, mood, number, et cetera

I am	She is	I was	They are

- **Declension**: Variations of a noun based on pronoun, number, gender, case, et cetera

one cat	12 cats	she	her

Inflection

```
>>> from pattern.en import conjugate
>>> conjugate('was', 'VB')
u'be'
>>> conjugate('was', 'VBN')
u'been'
>>> conjugate('cat', 'VBD')
u'catted'
```

- Pattern (clips.ua.ac.be/pages/pattern-en)

Lemmatization

- Getting the dictionary form of a word

```
>>> from pattern.en import lemma
>>> lemma('went')
u'go'
>>> lemma('reading')
u'read'
>>>
```

N+7

"Call me islander. Some yeggs ago.."

- Wordnik API (wordnik.com)

The Antiquated Omi

as well as the Marine

Hemmingway:

He was an old man who fished alone in a skiff in the Gulf Stream and he had gone eighty-four days now without taking a fish.

My forthcoming novel:

He existed an ancient mankind who caught alone in a skiff in the Abyss Course and he possessed gone eighty-four ages now without taking a Pisces

antiquatedomi.com

Probably More Stuff Too

- Tracery (github.com/galaxykate/tracery)
- Machine Learning
- Tensorflow
- Entity and sentiment analysis
- Etymology
- Language change
- Contact languages
- Asemic writing
- ?????

YAY!