Postcards From Gorby Puff

Aja Hammerly

http://github.com/thagomizer/examples

@thagomizer_rb

http://www.thagomizer.com

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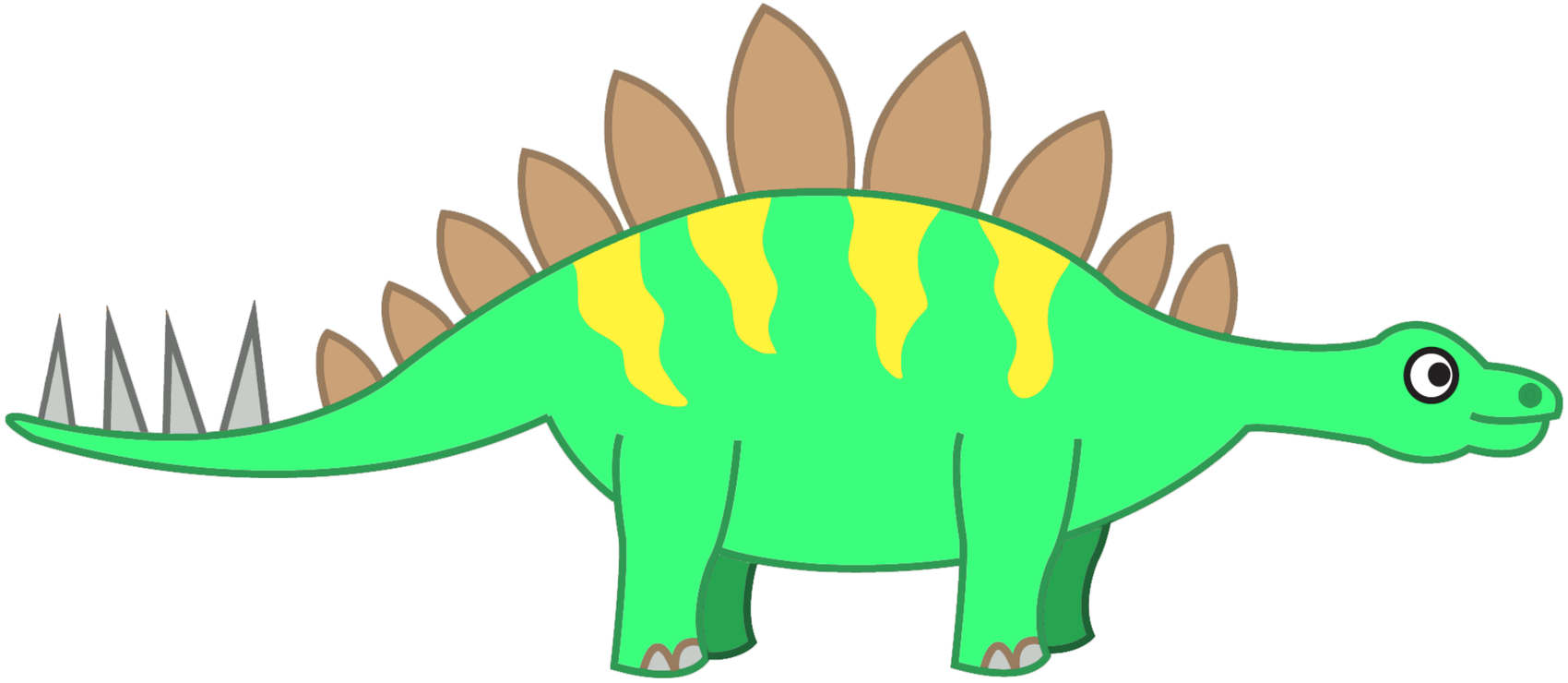


http://cloud.google.com/ruby

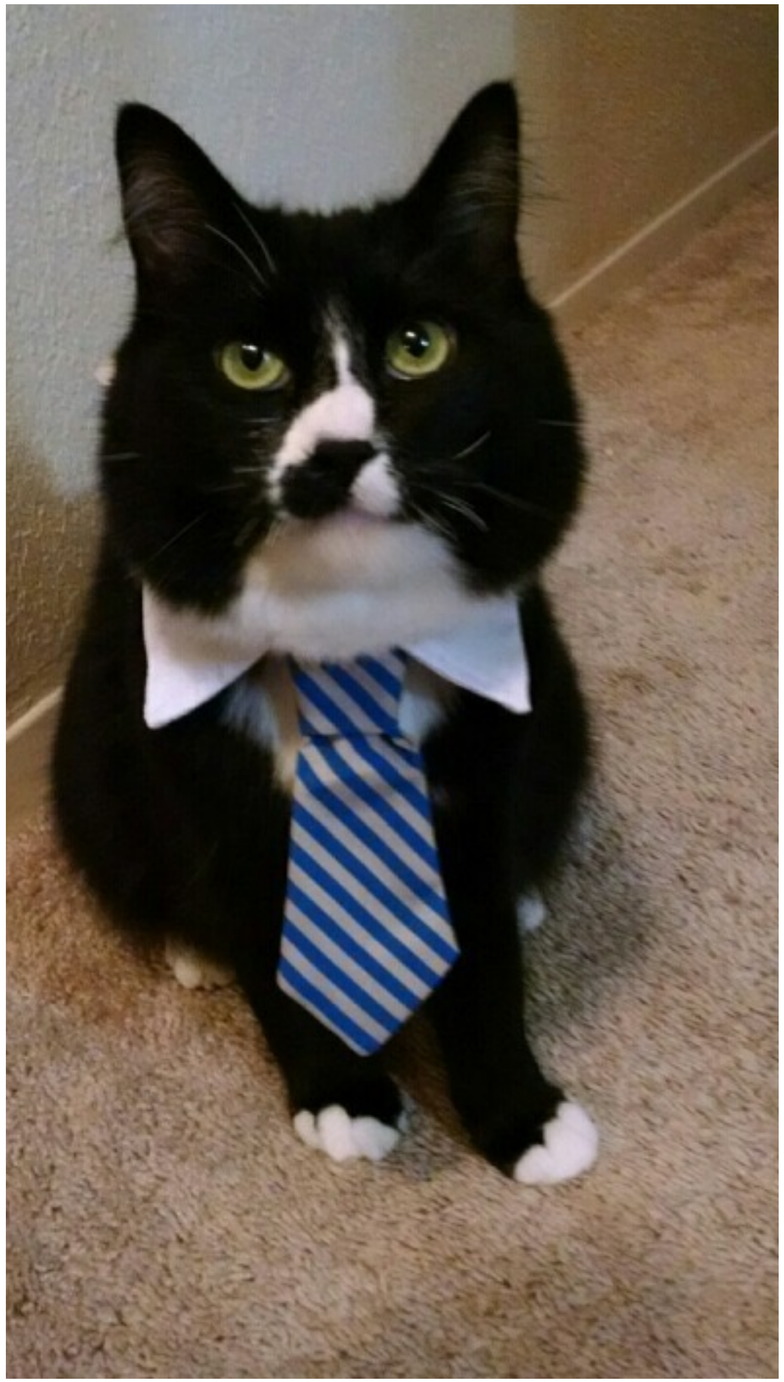
Workshop:

Tomorrow afternoon

Slack:

googlecloud-community.slack.com

Google Cloud Platform



Lawyer Cat Says:

Any code is copyright Google and licensed Apache V2

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WHERE IN THE WORLD IS GORBY PUFF?

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Hanging out with my new stone friend.
He tells me that cars are high in iron.

I like sitting on his head and chirping at birds that fly by. One day I'll catch one. One day.

Gorby

@thagomizer_rb

WHERE IS GORBY?

Google Cloud Vision

```
gem install gcloud
```

```
require "gcloud/vision"

gc = Gcloud.new("postcards-from-gorby",
                "./private-key.json")
v = gc.vision
i = v.image "./postcard-one.jpg"
a = v.annotate i, landmarks: 1

puts "Description:"
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puts "Location:"
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v = gc.vision
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a = v.annotate i, landmarks: 1

puts "Description:"
puts a.landmark.description
puts "Location:"
puts a.landmark.locations
```
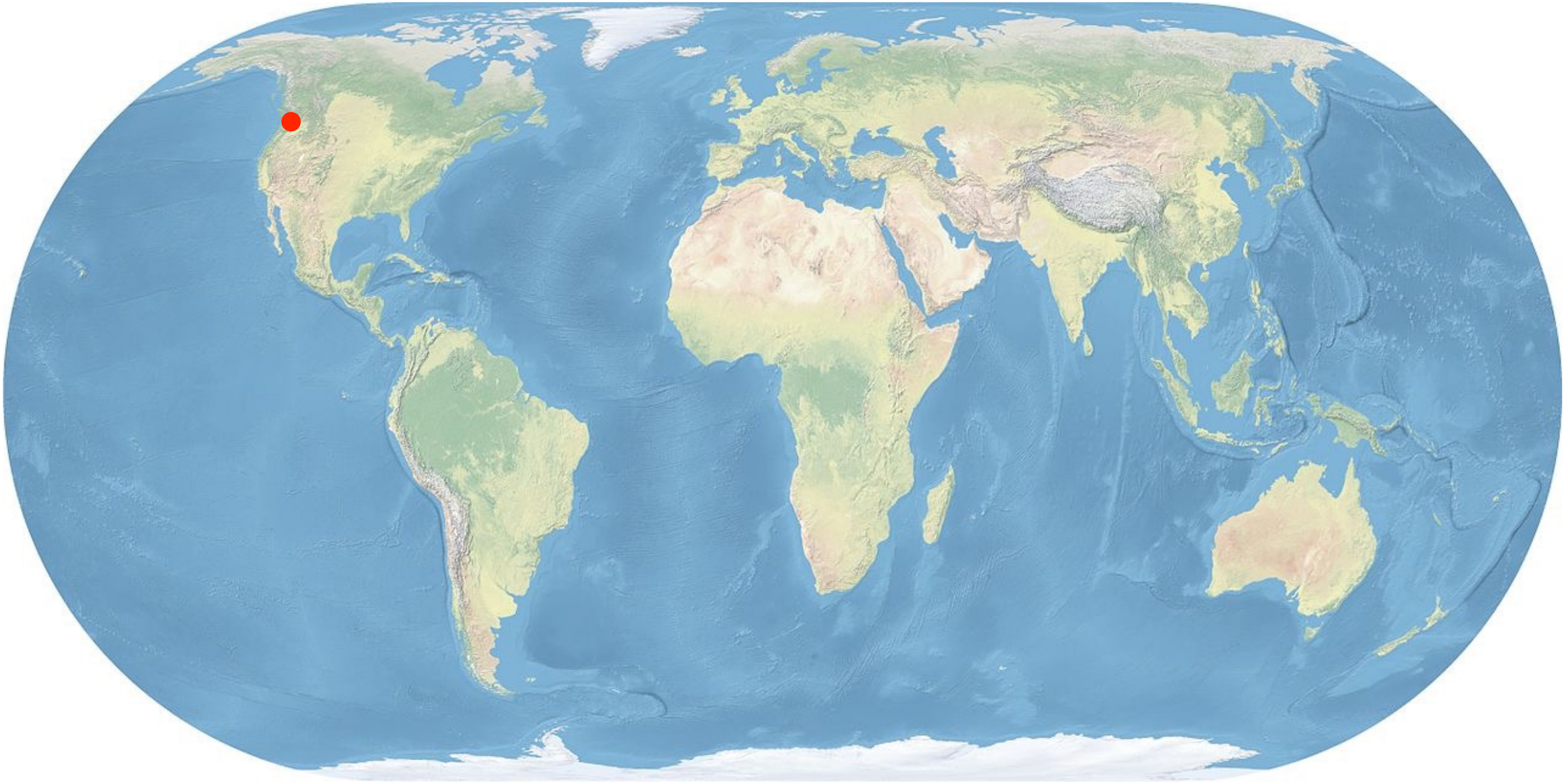

@thagomizer_rb

Description:
Fremont Troll

Location:
47.651
-122.347338



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@thagomizer_rb

Is it a dog? Is it a rat? It has such a pointy face. What kind of animal is this? Figure it out to find me!

Gorby

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Label Detection

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cat
pet
black
mammal
animal
play
small to medium sized cats
tabby cat
cat like mammal
bengal

@thagomizer_rb

snow
mountain
weather
winter
piste
geological phenomenon
season
adventure

RYE CROSS
MAIN ROAD
362
48
MIDLAND
WORCESTER
OMBERSLEY
144
THE MALVERNS
WORCESTER
SHA 431
40
LOZELLS AND
FORT DUNLOP
MOF 9
8
INNER C
MOF 2

@thagor

transport
bus
vehicle
double decker bus
tour bus service
commercial vehicle
land vehicle
mode of transport
engine

```
require "gcloud/vision"

gc = Gcloud.new("postcards-from-gorby",
                "./private-key.json")
v = gc.vision
i = v.image "./postcard-two.jpg"
a = v.annotate i, labels: 10

puts "Labels"
a.labels.each { |l| puts l.description }
```

```ruby
require "gcloud/vision"

gc = Gcloud.new("postcards-from-gorby",
                "./private-key.json")
v = gc.vision
i = v.image "./postcard-two.jpg"
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v = gc.vision
i = v.image "./postcard-two.jpg"
a = v.annotate i, labels: 10

puts "Labels"
a.labels.each { |l| puts l.description }
```
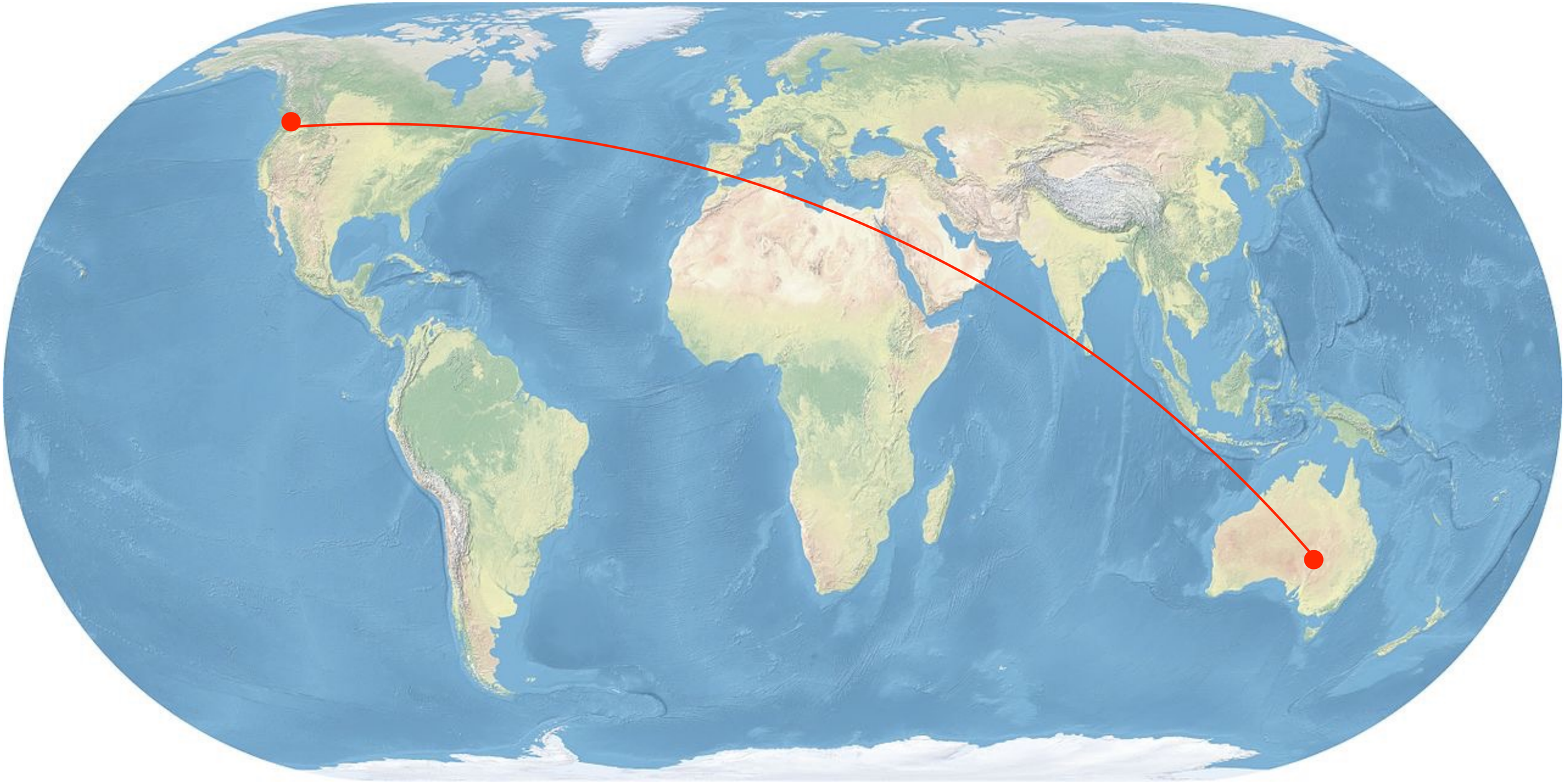

```
mammal
animal
vertebrate
wombat
```



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I SAW A CAT MATCHING THAT DESCRIPTION.

HE TOLD ME TO GIVE YOU THIS.

@thagomizer_rb

Tenderlove left a list of countries he likes to visit laying around our apartment.

Do you have any idea what this sign says?

Gorby

@thagomizer_rb

Text Detection

```
require "gcloud/vision"

gc = Gcloud.new("postcards-from-gorby",
                "./private-key.json")
v = gc.vision
i = v.image "./postcard-three.jpg"
a = v.annotate i, text: 1

puts "Text"
puts a.text.text
puts "Locale"
puts a.text.locale
```

```ruby
require "gcloud/vision"

gc = Gcloud.new("postcards-from-gorby",
                "./private-key.json")
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a = v.annotate i, text: 1

puts "Text"
puts a.text.text
puts "Locale"
puts a.text.locale
```

@thagomizer_rb

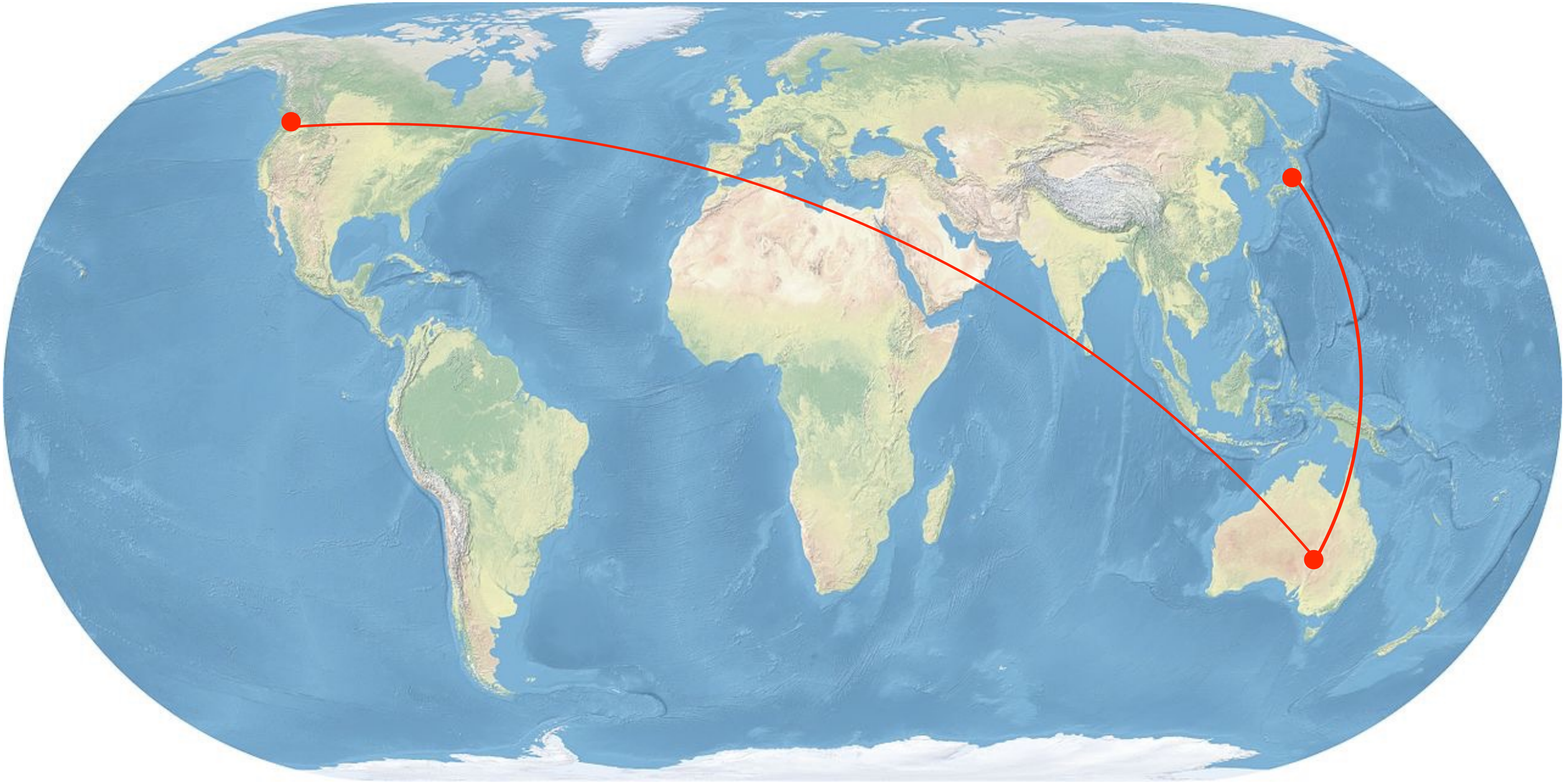
```
Text
！ きたはま .ph
B
浜76
Kitahama
げんせいかえん もこと,
Genseikaen
Mokoto
は浜 も
IIIU 畜wraaaa aasa WERESPE

Locale
ja
```

Translate API

```
gc  = Gcloud.new
gct = gc.translate
r   = gct.translate(text,
                    from: locale,
                    to: "en")
```

```
gc  = Gcloud.new
gct = gc.translate
r   = gct.translate(text,
                    from: locale,
                    to: "en")
```

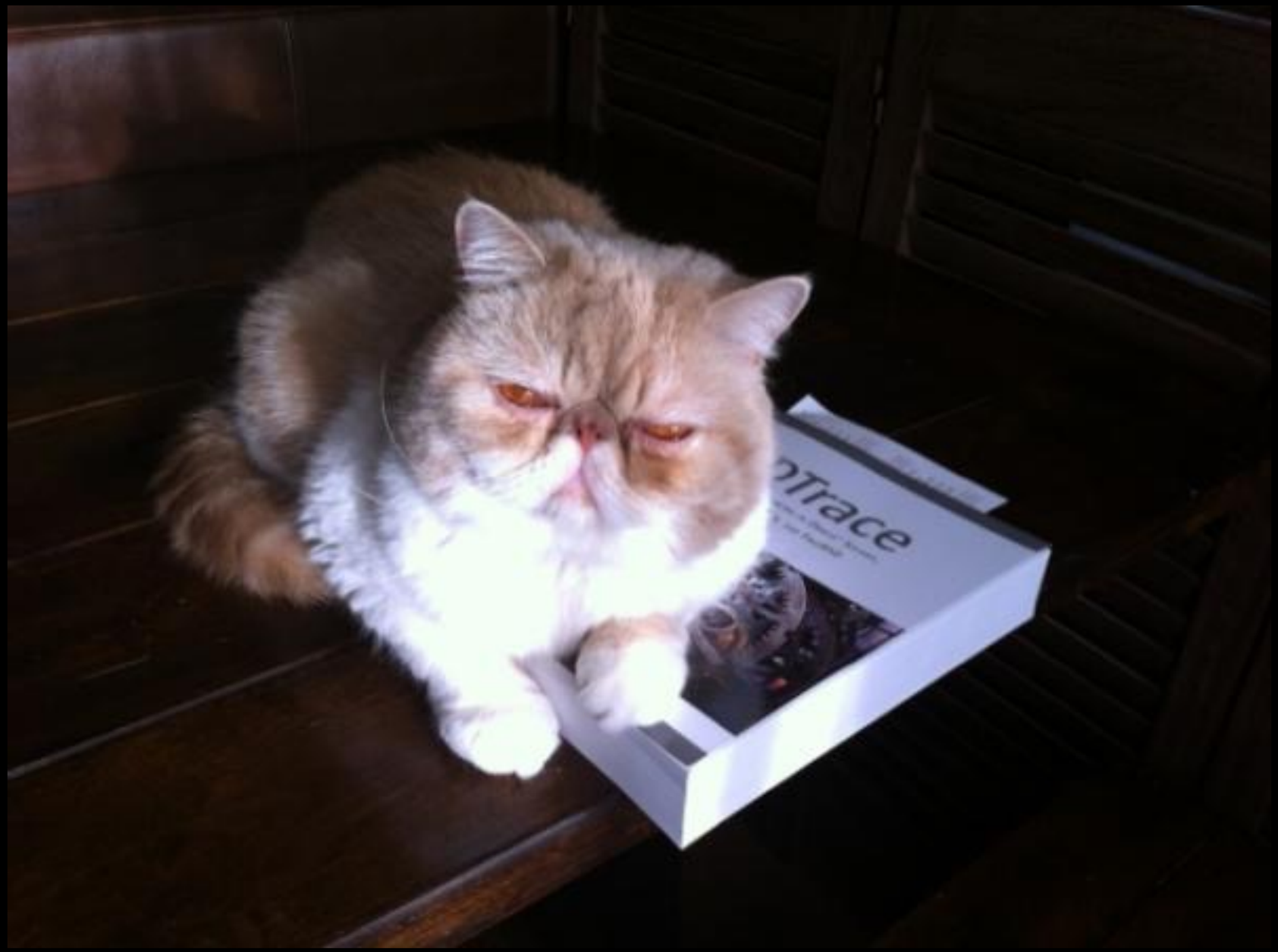
! Kitahama .ph B beach 76 Kitahama Natural Flower Garden mokoto, Genseikaen Mokoto the beach also IIIU 좋 wraaaa aasa WERESPE



@thagomizer_rb

THE CAT YOU ARE LOOKING FOR WAS HERE.

HE'S BEEN HITTING THE BOOKS.



@thagomizer_rb

What place on earth had the hottest temperature on

I've been practicing for my pub trivia.
I'm much better at that than karaoke.

How'd I do?

Gorby

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BigQuery

SQL

GSOD

Global Surface Conditions Of the Day

Schema

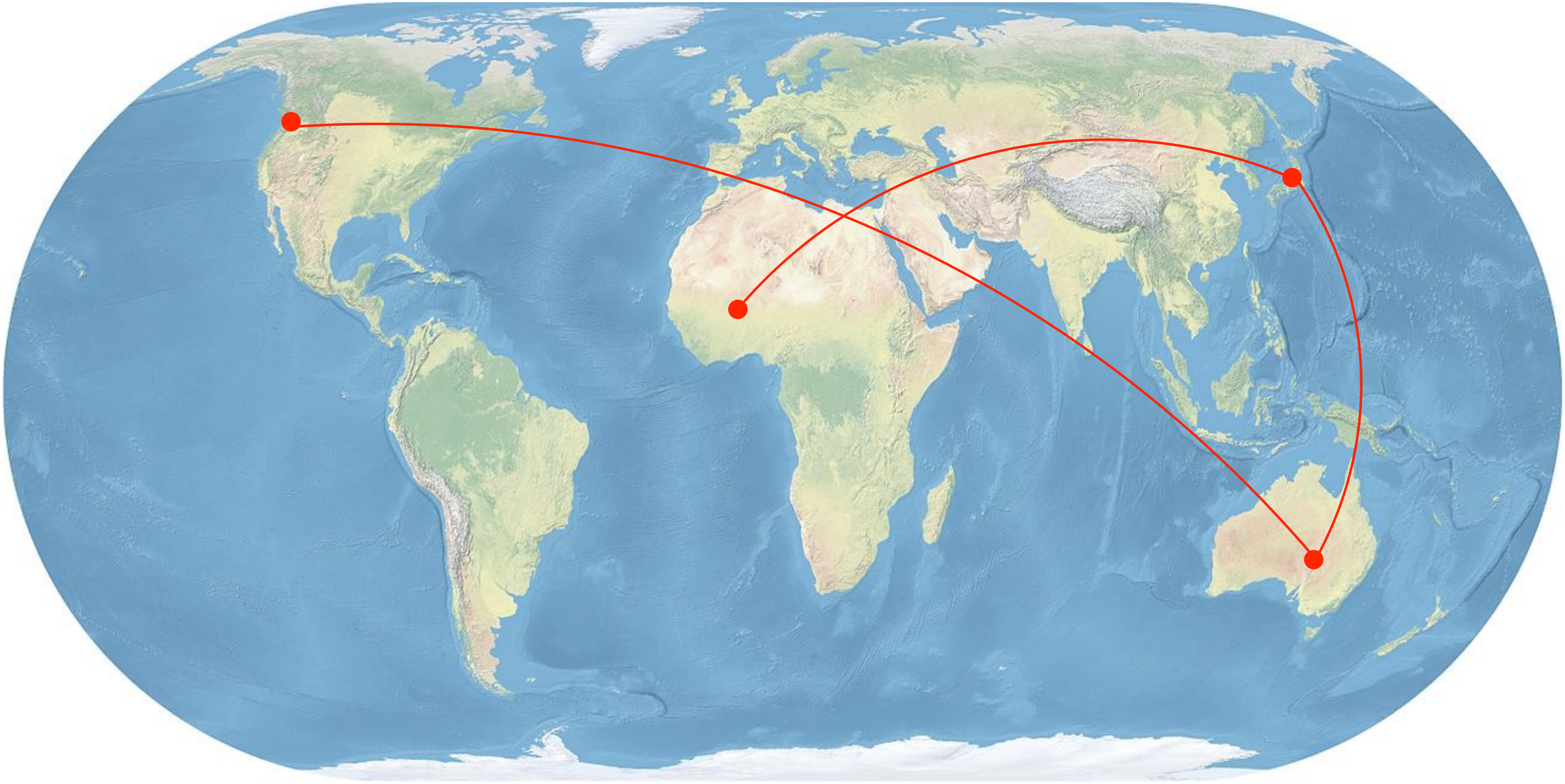
```
station_number
year
month
day
mean_temp
```

```
SELECT station_number, mean_temp
FROM [bigquery-public-
data:samples.gsod]
WHERE year = 2000
   AND month = 5
   AND day = 4
ORDER BY mean_temp DESC
```

station_number	mean_temp
610240	102.30000305175781
416970	100.0
612260	99.30000305175781
627700	99.0999984741211

```
610240
```

Hombori, Mali



@thagomizer_rb

THE CAT HAD
A BALL HERE.

@thagomizer_rb

HE TOLD ME YOU ARE ALMOST DONE.

HERE'S THE NEXT CLUE.

Budweiser
Play It Forward.
Commerce Bank
Commerce Bank
Commerce Bank
HyVee
HyVee
HyVee
Play It Forward.
Play It Forward.
Play It Forward.
Play It Forward.
The #1 App for Live Baseball
At Bat
HOLLYWOOD
JOHN DEERE

@thagomize

I've been enjoying my world tour. Lots of people to meet and head butt. Many belly rubs. You know how it is. After all, I'm internet famous.

Last stop. Can you figure out where I am?

Gorby

@thagomizer_rb

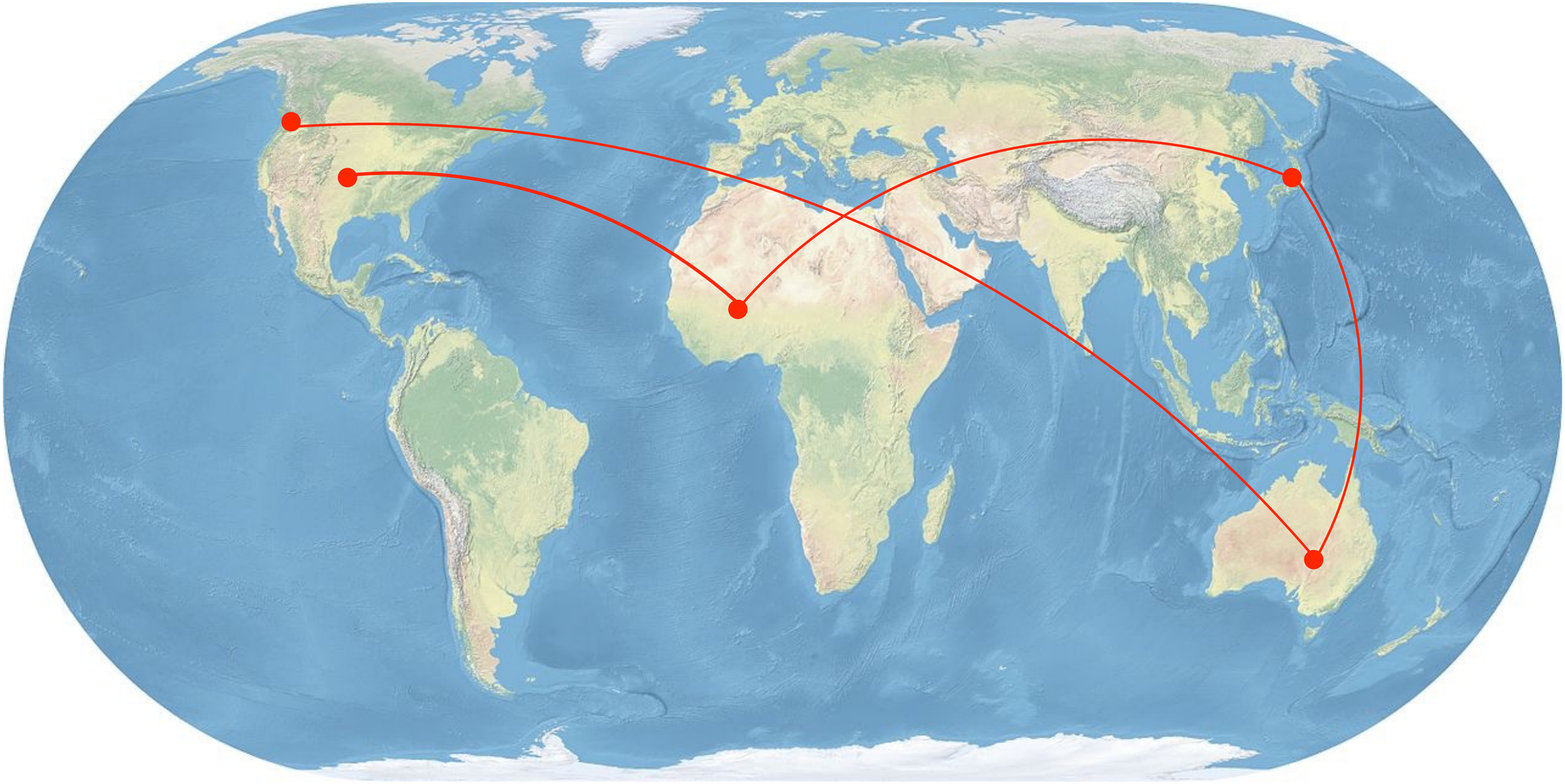
```ruby
require "gcloud/vision"

gc = Gcloud.new("postcards-from-gorby",
                "./private-key.json")
v = gc.vision
i = v.image "./postcard-five.jpg"
a = v.annotate i, landmarks: 1

puts "Description:"
puts a.landmark.description
puts "Location:"
puts a.landmark.locations
```

Description:
Kauffman Stadium

Location:
39.051668
-94.48034



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CONGRATULATIO
NS

YOU'VE FOUND
GORBY PUFF.'

Today’s Sponsors

G

C

P

Google Cloud Platform

Google Cloud Platform

Announcing...

App Engine for Ruby

App Engine for Ruby

```
gem install gcloud
```

Thank You

Aaron Patterson

Mike Moore & Chris Smith

The Google Cloud Ruby Team

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Seattle Nov 2014 Fremont Troll by PROMobilus In Mobili (https://www.flickr.com/photos/mobili/15225765314)

wombat by Rob and Stephanie Levy (https://www.flickr.com/photos/robandstephanielevy/3763877793)

Bus line-up by Phil Parker (https://www.flickr.com/photos/45131642@N00/14089773707/)

Kauffman Stadium Fountains by Jeramey Jannene (https://www.flickr.com/photos/compujeramey/14472605593)

Questions?

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