Turf.js

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NORKART

GIS i Nettleseren

Q: Do you aim to rewrite GIS in JavaScript?

A: Working on it.

“There is an abundance of open source geoprocessing libs for various programming languages, most notably the Java-based JTS and it's derivatives.”

JTS

JSTS

SHAPELY

GEOS

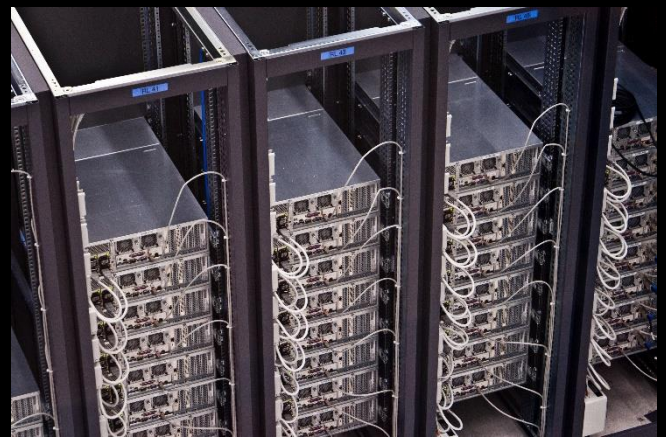
NetTopologySuite

"With the surge in JavaScript popularity and complicated Single Page Apps there is a need to avoid round-tripping to the server for doing geoprocessing tasks such as intersections, buffering etc."

HÆ?

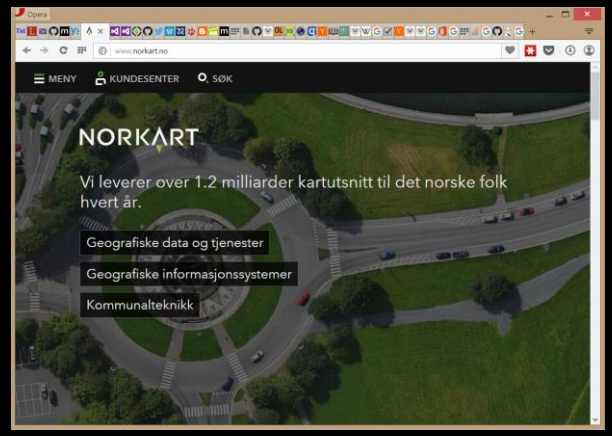
Server

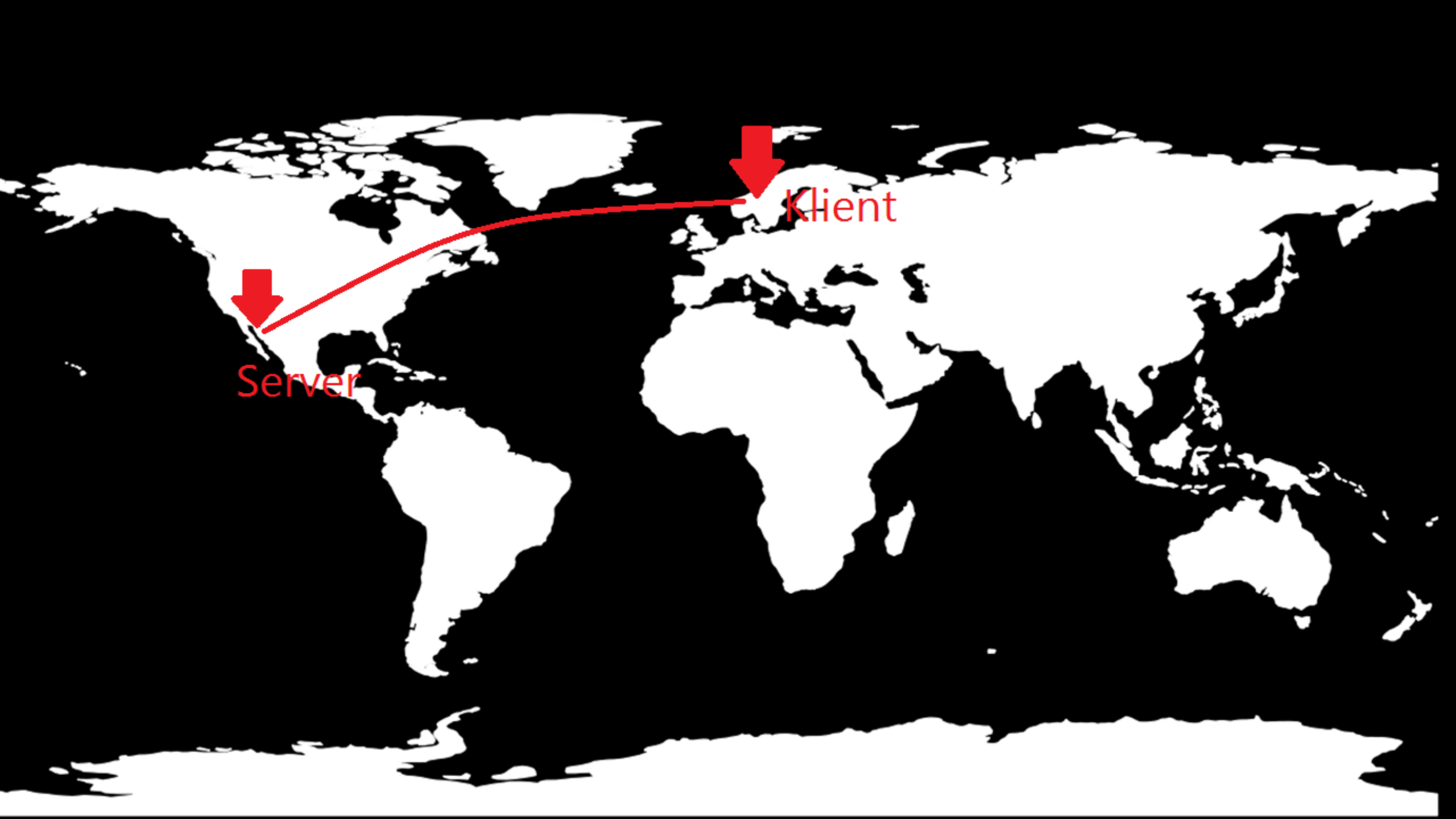
Java / C# / Python / C++ ....



Klient

JavaScript




Klient
Server

=> Client-side geoprocessing!

Hamilton 2014

http://erinhamilton.me/portfolio/Erin_Hamilton_Masters_Thesis.pdf

"The most well-known and extensive of these client geoprocessing libraries is JSTS Topology Suite."

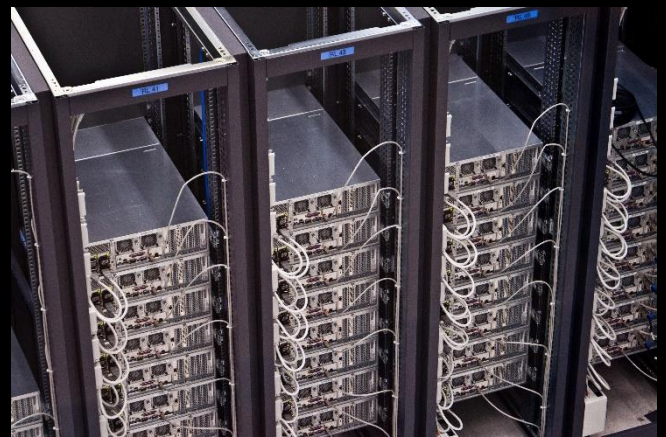
"Another JavaScript port library is Shapely.js"

"A few other JavaScript geoprocessing libraries deserving mention are Njord.js, a lightweight alternative to JSTS (Sveen 2014); jQuery Geo, a jQuery plugin that provides both mapping capabilities along with operations similar to those in JTS (Westphal 2014); and Turf.js, another geoprocessing library that relies on JSTS (Herlocker 2014)."


BUT WAIT
THERE'S MORE!
memegenerator.net

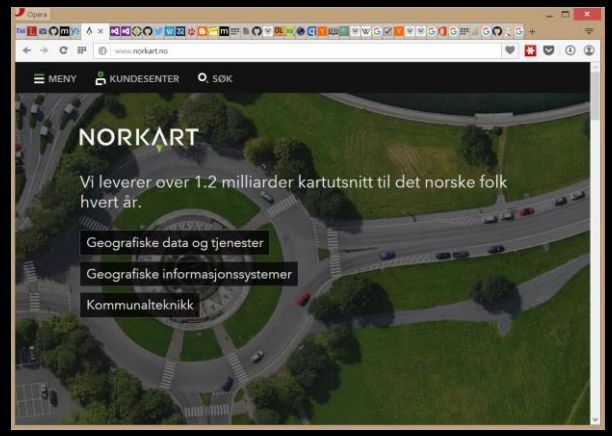
Server

JavaScript



Klient™

JavaScript



#geohipster

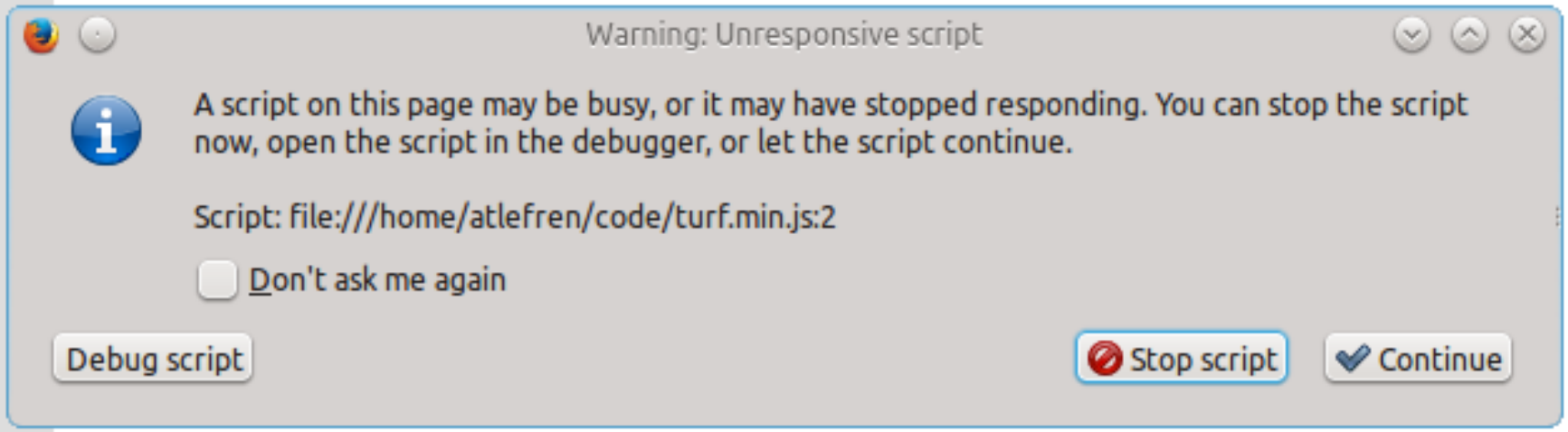
TURF.JS

"Advanced geospatial analysis for browsers and node"

Simple

```
var pt = {
  "type": "Feature",
  "properties": {},
  "geometry": {
    "type": "Point",
    "coordinates": [-90.548630, 14.616599]
  }
};
var buffered = turf.buffer(pt, 500, meters);
```

Fast


Warning: Unresponsive script
A script on this page may be busy, or it may have stopped responding. You can stop the script now, open the script in the debugger, or let the script continue.
Script: file:///home/atlefren/code/turf.min.js:2
Don't ask me again
Debug script
Stop script
Continue

Leaflet

Modular

Funksjoner

http://turfjs.org/static/docs/


So What?
You and 82 others don't give a fuck.

Spørsmål?

NORKART