COVID, GEOMETRY GENERATORS ET AUTRES CARTO-GEEKERIES

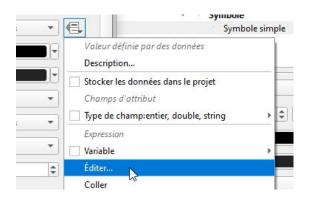


CONFÉRENCE QGIS-FR 2020 - SUR LA TOILE

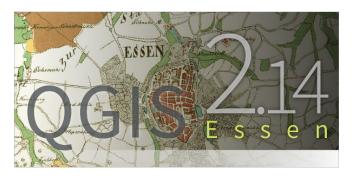
2013



Data-defined properties

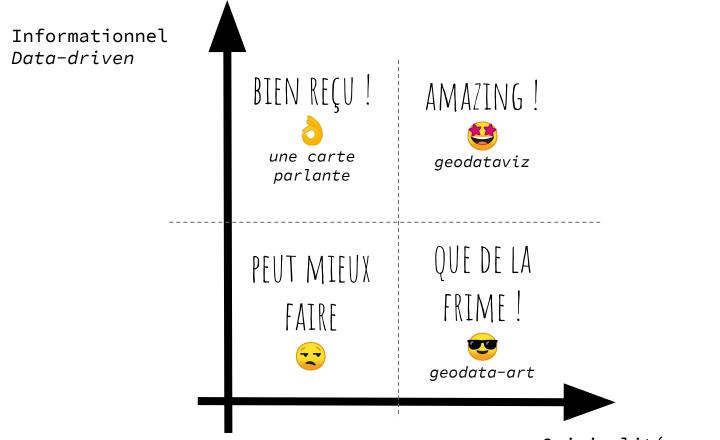


2016



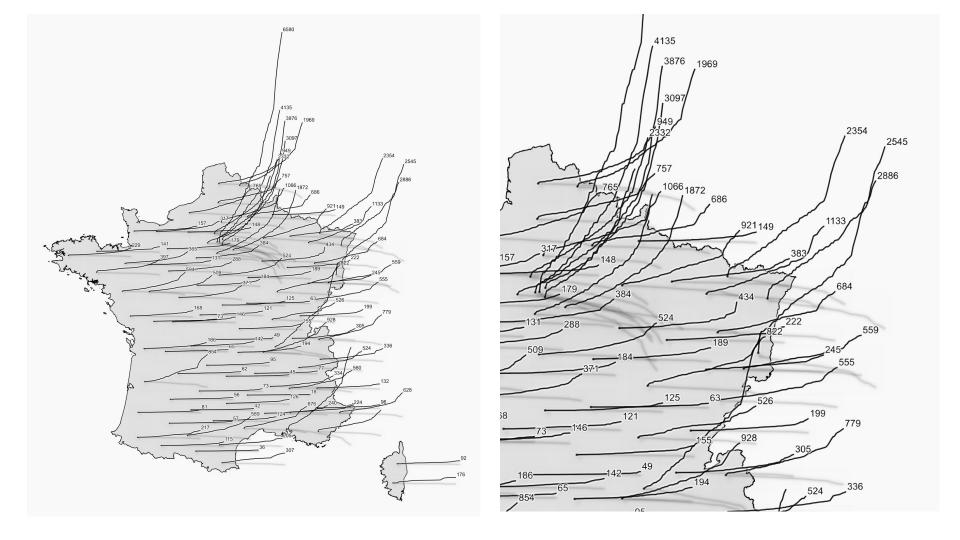
Geometry generators





Originalité Aesthetic-driven

CARTE DE LA COVID



ÉCHOS

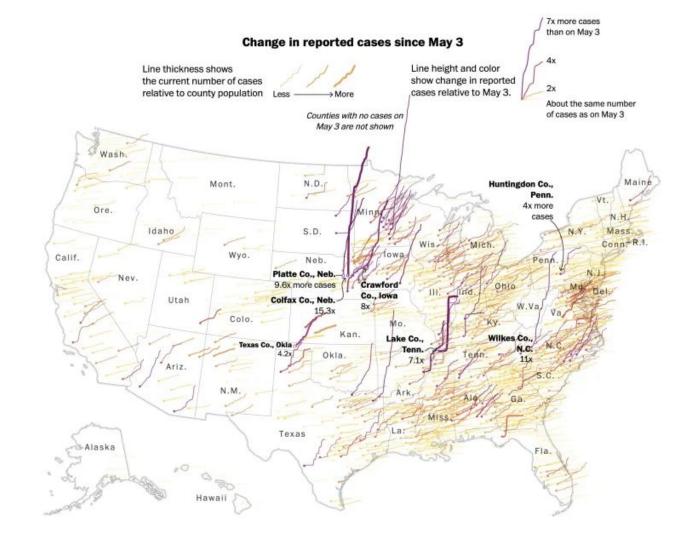


000

I hadn't seen this type of map before cc @kennethfield

Traduire le Tweet

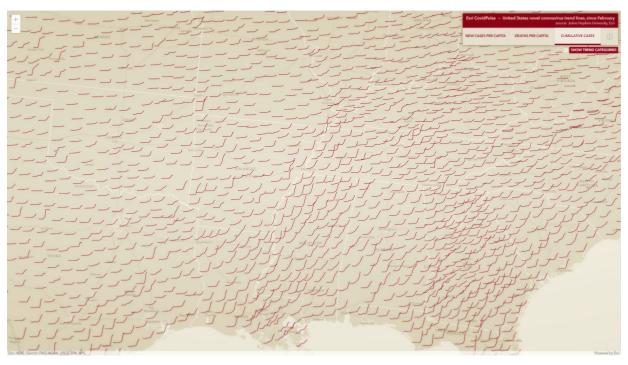
The Washington Post





John Nelson

<u>CovidPulse</u>



CONCEPTION



Bouches-du-Rhône



Bouches-du-Rhône, Jour 1, 1
Bouches-du-Rhône, Jour 2, 2
Bouches-du-Rhône, Jour 3, 5
Bouches-du-Rhône, Jour 4, 7
Bouches-du-Rhône, Jour 5, 9
Bouches-du-Rhône, Jour 6, 13
Bouches-du-Rhône, Jour 7, 15
Bouches-du-Rhône, Jour 8, 18
Bouches-du-Rhône, Jour 9, 21

Bouches-du-Rhône

Relation

Bouches-du-Rhône, Jour 3, 5

Bouches-du-Rhône, Jour 4, 7

Bouches-du-Rhône, Jour 6, 13

Bouches-du-Rhône, Jour 7, 15 Bouches-du-Rhône, Jour 8, 18 Bouches-du-Rhône, Jour 9, 21

Bouches-du-Rhône, Jour 5, 9

Bouches-du-Rhône, Jour 2, 2

Bouches-du-Rhône, Jour 1, 1

Bouches-du-Rhône, Jour 1, 1
Bouches-du-Rhône, Jour 2, 2
Bouches-du-Rhône, Jour 3, 5
Bouches-du-Rhône, Jour 4, 7
Bouches-du-Rhône, Jour 5, 9
Bouches-du-Rhône, Jour 6, 13
Bouches-du-Rhône, Jour 7, 15
Bouches-du-Rhône, Jour 8, 18

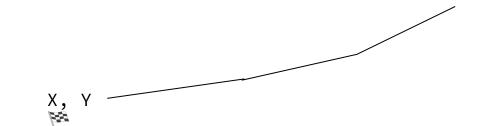
Bouches-du-Rhône, Jour 9,

21

Bouches-du-Rhône, [1, 2, 5, 7, 9, 13, 15, 18, 21]

Bouches-du-Rhône, [1, 2, 5, 7, 9, 13, 15, 18, 21]

Bouches-du-Rhône, [1, 2, 5, 7, 9, 13, 15, 18, 21]



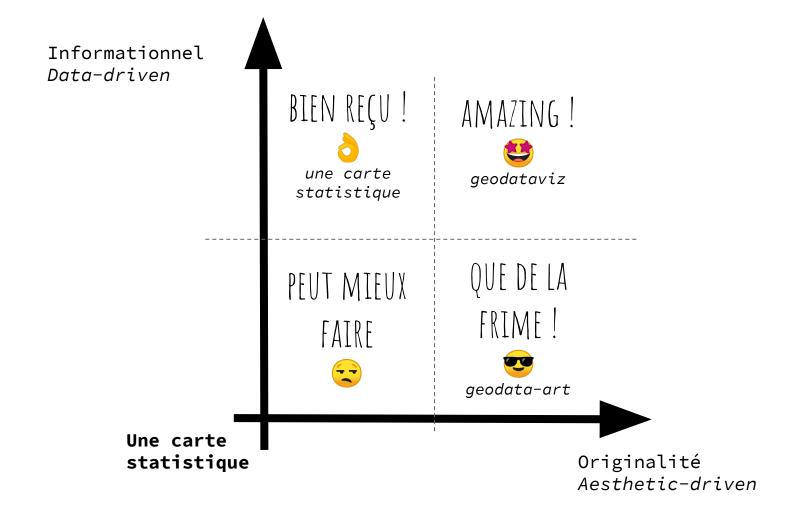
```
-'height',
           100,
           with variable (
               _'width',
                200000,
                with variable (
                     - 'nb cas',
                      array sort (
                            relation aggregate(
                                 'donnees ho dep DEPARTEMEN INSEE DEP',
                                 'array agg',
                                 to_int("dc")+to_int("hosp")+to_int("rea")+to_int("rad"))
                      geom from wkt(
                          - 'LINESTRING (' ||
                            x(centroid($qeometry))||' '||y(centroid($qeometry))
                            ||','||
                            array to string(
                                 array foreach (
                                       generate series(1, @atlasid),
                                             -- X Coordinates
                                            to string(x(centroid($geometry)) +
                                             (@element/array length(@nb cas)*@width)) ||' '||
                                             -- Y coordinates
                                             to string(y(centroid($geometry)) +
@nb cas[@element]*@height)
                            ',') || ')'
                                                        https://datagistips.hypotheses.org/488
```

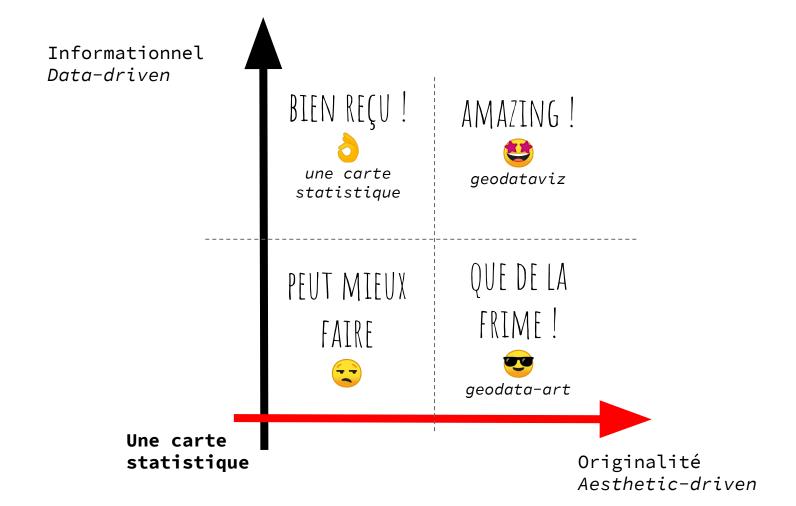
with variable (

'atlasid',

with variable (

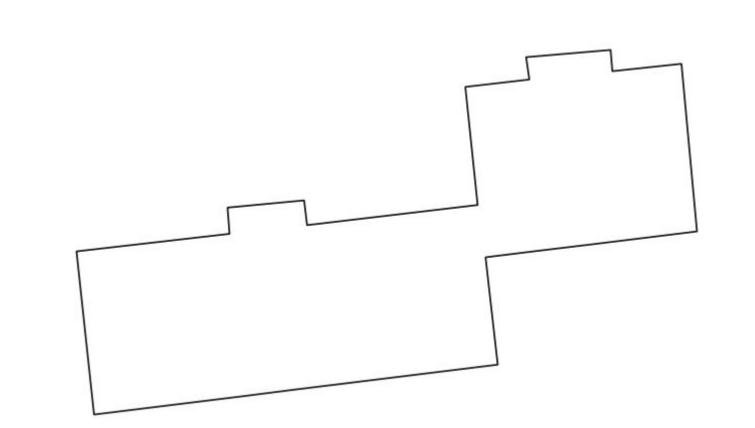
@atlas featureid - 1,



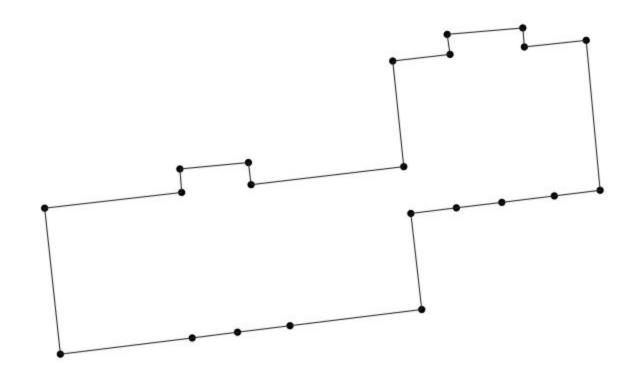


COMMENT FAIRE COMME SI MA CARTE AVAIT ÉTÉ DESSINÉE AU CRAYONA PAPIER?

· 我们是我们的国际中国的人工的社会,我们是这个人的人们的人们是一个人的人们的人们是一个人们的人们是一个人们的人们是一个人们的人们是一个人们的人们是一个人们的人



VOICI LES NOEUDS CONSTITUTIFS

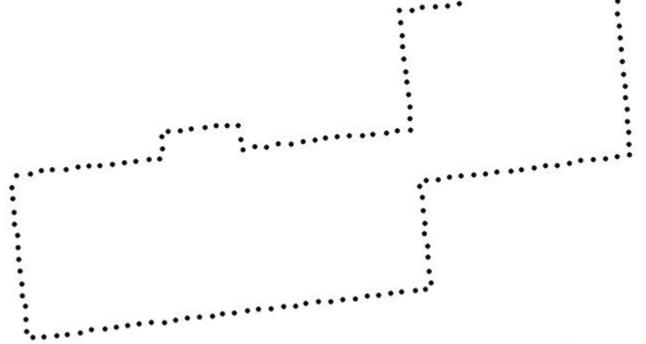


ON DENSIFIE

generate_series
array_foreach
line_interpolate_point

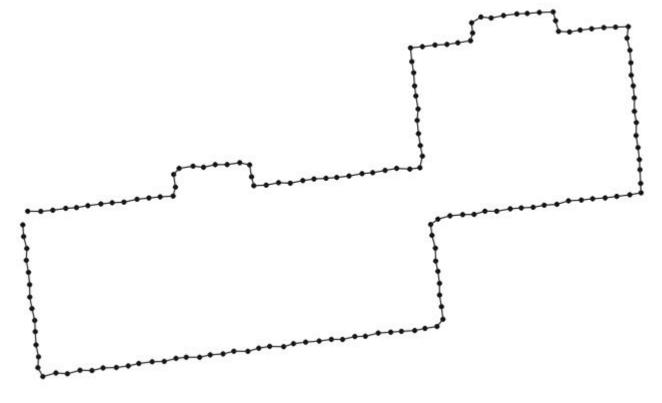
ON DÉCALE AU HASARD LES DIFFÉRENTS NOEUDS

translate



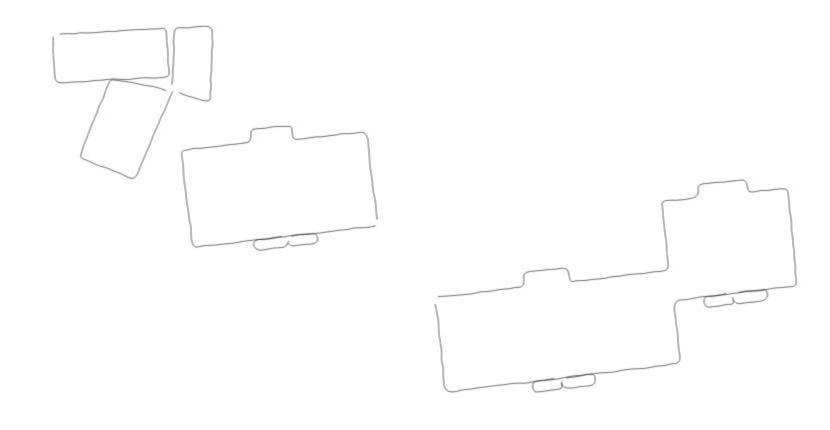
ON RECONSTITUE LA LIGNE



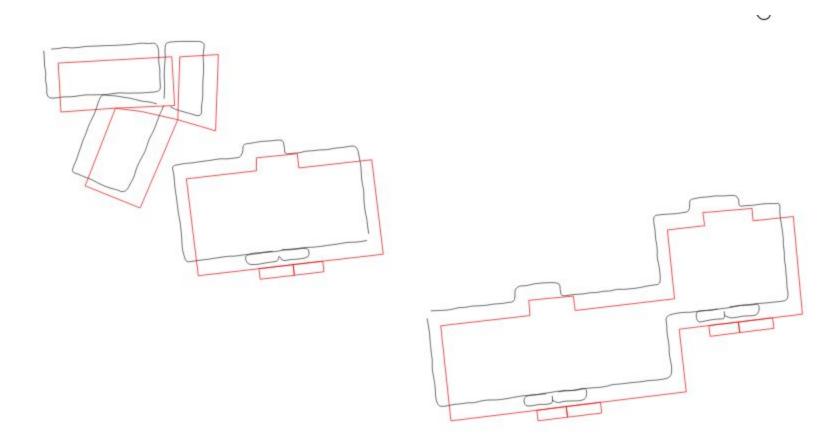


ON LA LISSE smooth

VOICI LE RÉSULTAT SUR LA COUCHE ENTIÈRE



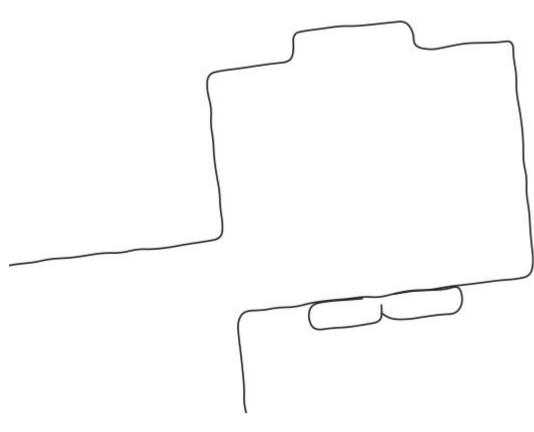
AVANT / APRÈS



```
smooth(
    make_line(
        array_foreach(
             generate_series(
                 length(exterior_ring($geometry)),
             translate(
                 line_interpolate_point(
                      exterior_ring($geometry),
                      @element
                 randf(-0.1, 0.1), -- dx
                 randf(-0.1, 0.1) -- dy
```

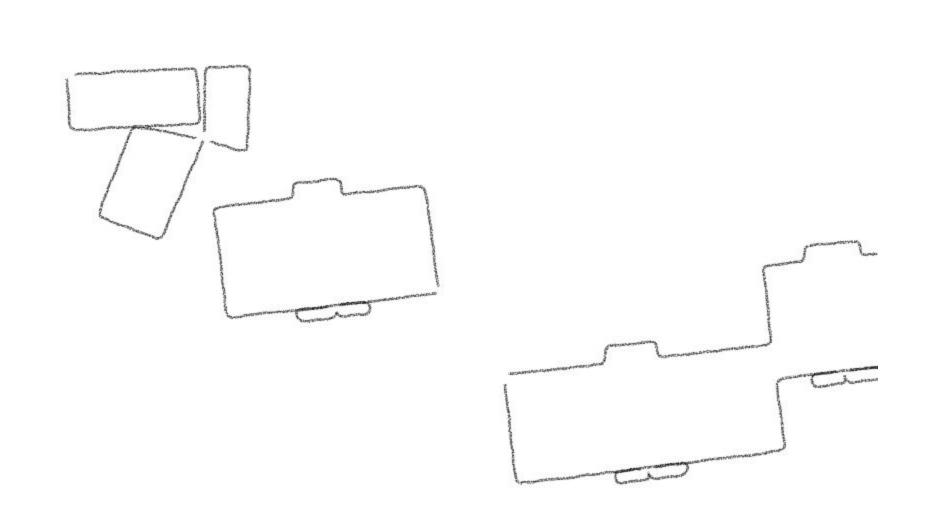
(polygone)

ON PASSE AU CRAYONNÉ?

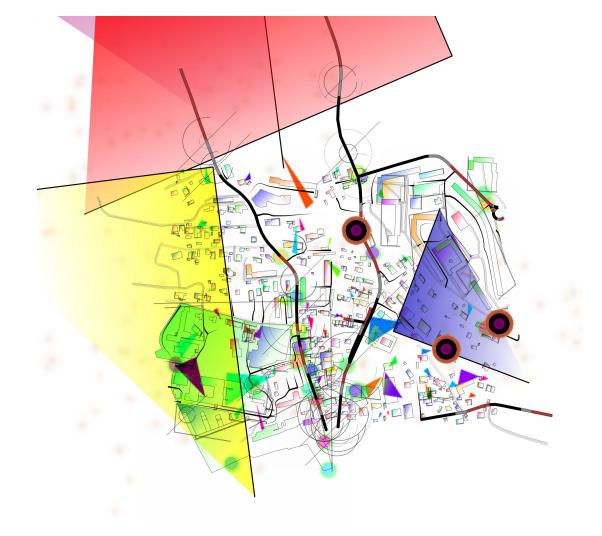


PLEIN DE POINTS QUE L'ON DÉCALE UN PEU AU HASARD

ligne de symboles propriété : décalage avec randf (CATTERNATION \$100K-401K-475K-16K-16K-675K-44



QANDINSKY



Le LSD c'est mal

Le SLD c'est bien









GÉNÉRATEUR DE GÉOMÉTRIES LIGNE DE SYMBOLES REMPLISSAGE AVEC MARQUEURS ALÉATOIRES



```
RANDF
     humain →
           GENERATE _SERIES
            ARRAY _FOREACH
                                    design
                                    génératif
       LINE _INTERPOLATE _POINT
              TRANSLATE
             MAKE_LINE
                BUFFER
formes
          NODES_TO_POINTS
            EXTERIOR _RING
```

MES CONSEILS

- ISOLER UN ÉLÉMENT, SUR LEQUEL TRAVAILLER
- PRÉFÉRER LE LAMBERT-93 OU PSEUDO-MERCATOR (3857)
- TRAVAILLER EN UNITÉS DE CARTES
- **CONSERVER** UNE ÉCHELLE DE TRAVAIL ET UTILISER LA **LOUPE**
- TRAVAILLER LES STYLES EN LIVE (PANNEAU STYLE DES COUCHES)

INSPIREZ-VOUS ET PARTAGEZ VOS CRÉATIONS

HTTPS://PLUGINS.QGIS.ORG/STYLES/

TOPI TJUKANOV CARTOCALYPSE KIAS KIARSSON

MERCI DE VOTRE ATTENTION

