Análisis de Datos

Population lines, idea de los gradientes de Dani →
http://spatial.ly/2017/04/population-lines-how-and-why-i-created-it/
https://www.r-bloggers.com/joy-division-population-surfaces-and-pioneering-electronic-cartography/

joyplot with d3 https://beta.observablehq.com/@mbostock/d3-ridgeline-plot
horizon chart with d3 https://beta.observablehq.com/@mbostock/d3-horizon-chart

When projections showed Hurricane Harvey could bring a record setting amount of rain to Houston, the graphics desk at the New York Times started exploring ways of showing the rainfall. After a **couple of days of scrambling, we managed to make a map showing both the accumulation and rate of rainfall:** → https://roadtolarissa.com/hurricane/

Use a data analytics tool to predict where the Pokemon are going to appear →
https://www.pluralsight.com/guides/big-data/use-a-data-analytics-tool-to-predict-where-the-pokemon-are-going-to-appear

a visualization of global weather conditions forecast by supercomputers updated every three ours →
https://earth.nullschool.net/about.html https://github.com/cambecc/earth http://www.copernicus.eu/

Using machine learning to identify air pollution exposure profiles associated with early cognitive skills among U.S. children → http://www.sciencedirect.com/science/article/pii/S0269749117313027

This playground exists to showcase a type of Swarm Intelligence known as Flocking. →
https://tech.io/playgrounds/1003/flocking-autonomous-agents/going-further

JSGeo2017 → https://www.dropbox.com/s/xak1kodwly80z8z/JSGeo2017.pdf?dl=0

R package to analyze air quality data →
https://www.r-bloggers.com/rtimicropem-using-an-r-package-as-platform-for-harmonized-cleaning-of-data-from-rti-micropem-air-quality-sensors/ https://ropensci.org/blog/blog/2017/02/21/ropenaq
https://www.r-bloggers.com/working-with-air-quality-and-meteorological-data-exercises-part-2/
https://www.r-bloggers.com/working-with-air-quality-and-meteorological-data-exercises-part-4/

Grupo en valencia, españa → http://safe-tools.dsic.upv.es/airvlc/data-analysis.php
https://valenciarusers.files.wordpress.com/2016/04/prediccic3b3n_contaminacic3b3n-lidiacontreras.pdf Los datos que tenemos pueden ser muy similares a estos que se obtienen a partir de strava →
https://github.com/marcusvolz/strava

Fondo para una serie de tiempo con escala ICA
https://media.licdn.com/mpr/mpr/jc/AAEAAQAAAAAAAAX4AAAAJDIxYTFjMzEzLWUzNzEtNDgzOS1iZDVlLTY4OTgzZTBmZWQxYw.png

Mapa 3d para visualizar mediciones
http://www.seattlebikeblog.com/wp-content/uploads/2014/03/SBB_pollution_map-575x471.png origen de este mapa
https://www.researchgate.net/publication/252731674_Exposure_of_Bicyclists_to_Air_Pollution_in_Seattle_Washington_Hybrid_Analysis_Using_Personal_Monitoring_and_Land_Use_Regression Podría implementarse con :
http://rgraphgallery.blogspot.com.co/2013/05/rg107-plot-3d-horizontal-lines-bars.html

Artículo CSWA: Aggregation-Free Spatial-Temporal Community Sensing → https://arxiv.org/pdf/1711.05712v1.pdf

Viento y PM25 → http://aqicn.org/faq/2015-11-05/a-visual-study-of-wind-impact-on-pm25-concentration/

Predicción de concentración PM25 usando redes neuronales https://www.sciencedirect.com/science/article/pii/S1352231015001491

Anomaly detection with R → https://www.r-bloggers.com/anomaly-detection-in-r-2/

Animación de la contaminación en china → https://old.reddit.com/r/dataisbeautiful/comments/8v0m98/oc_3d_animation_of_chinas_nitrogen_dioxide/

Predicting Sunspot Frequency with Keras LSTM In R → https://www.r-bloggers.com/time-series-deep-learning-part-2-predicting-sunspot-frequency-with-keras-lstm-in-r/

Metaballs → http://jamie-wong.com/2014/08/19/metaballs-and-marching-squares/

AgentMaps - Social Simulations on Interactive Maps → https://noncomputable.github.io/AgentMaps/

Fans Energy Viz → https://reimaginethegame.economist.com/en/matches/bayern-gladbach/fans

Privacy mobility → https://techxplore.com/news/2018-12-privacy-mobility.html

Proof-of-location → https://www.theatlantic.com/technology/archive/2018/11/can-blockchain-maps-replace-gps/576985/

RETIGO Epa → https://www.epa.gov/hesc/real-time-geospatial-data-viewer-retigo

Visualización interactivas

Query engine

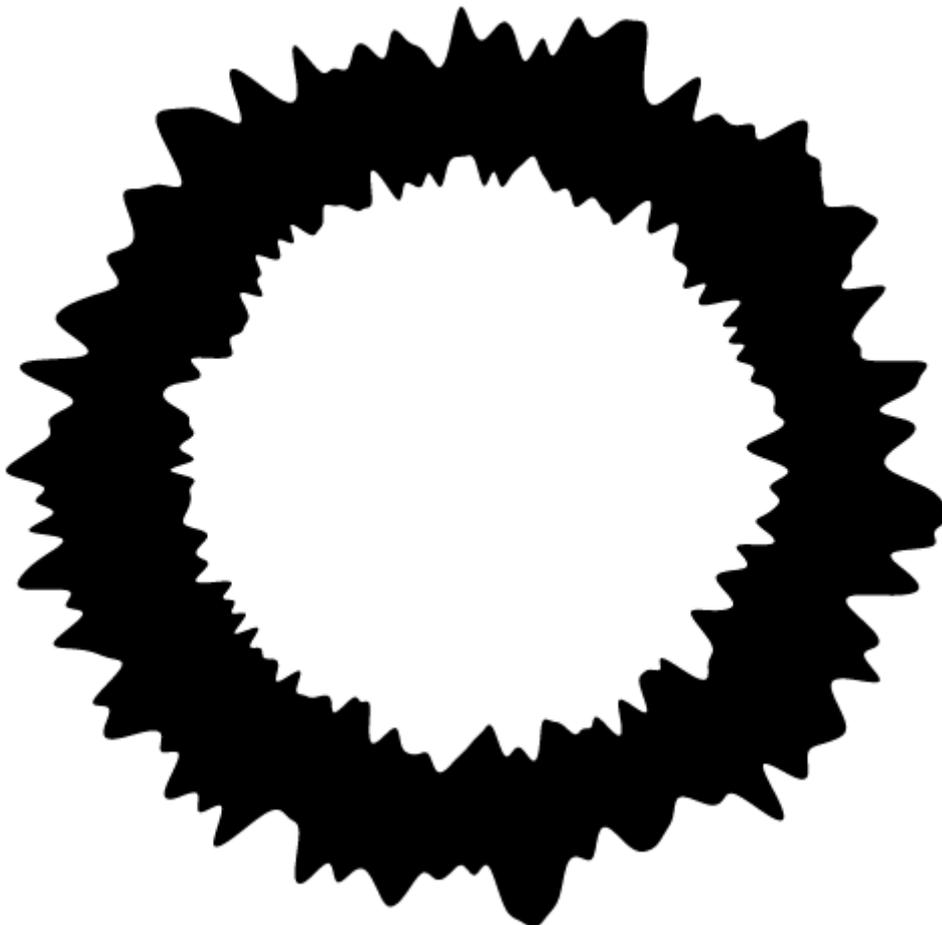- https://medium.com/coinograph/storing-and-processing-billions-of-cryptocurrency-market-data-using-influxdb-f9f670b50bbd
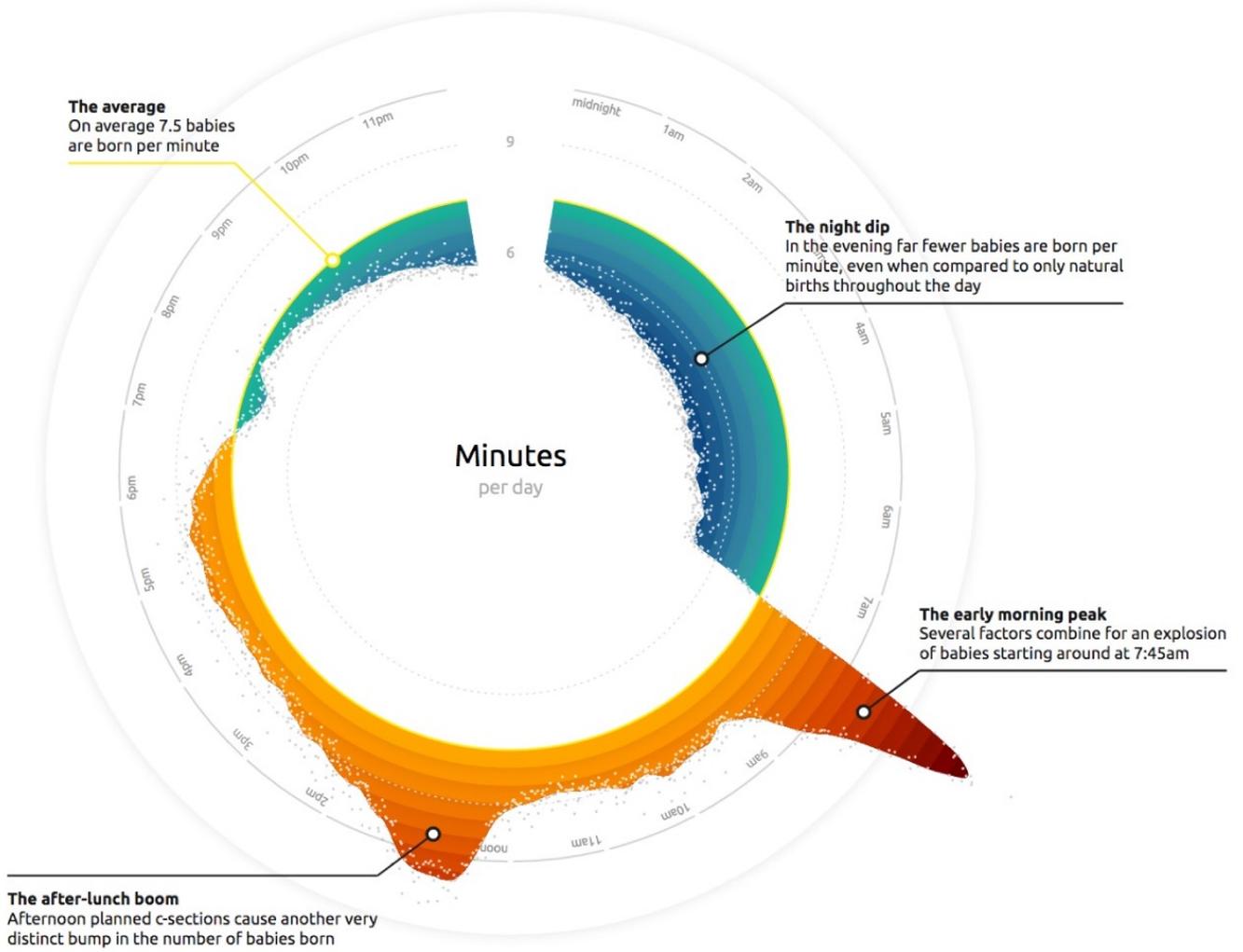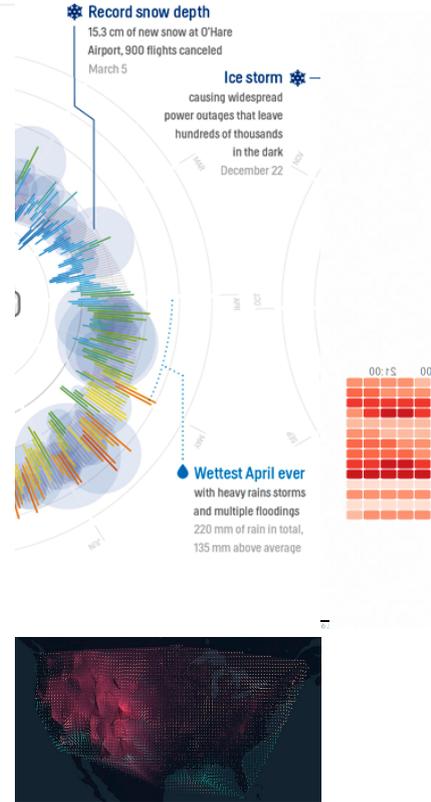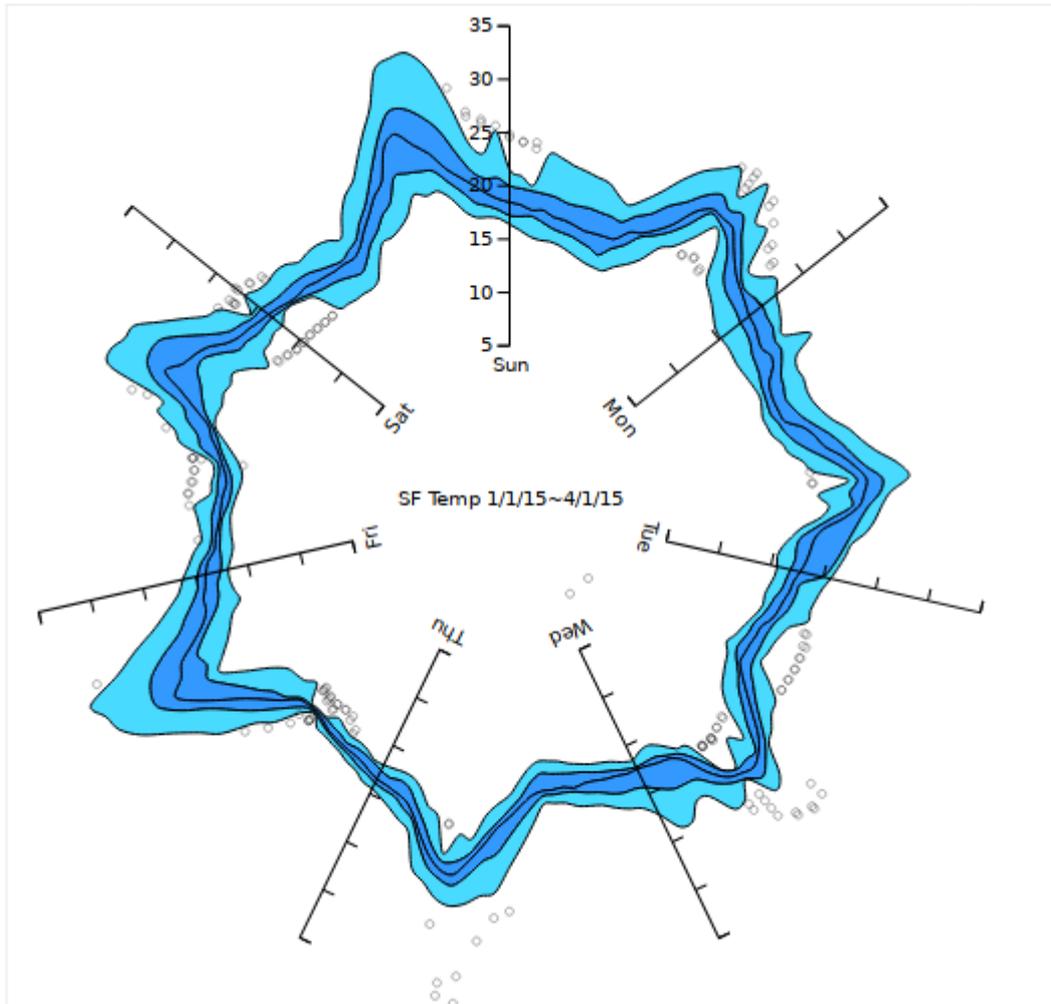- https://docs.influxdata.com/influxdb/v1.6/query_language/continuous_queries/
- https://www.youtube.com/watch?v=0syXa8cBY-Y

Eventos externos

- Eventos externos como la interacción con la visualización llegan por websockets y se convierten en eventos del mouse
- http://nmajor.com/posts/using-socket-io-with-redux-websocket-redux-middleware

Estilo de la visualización

- Se propone un estilo radial para la serie de tiempo
- https://kmandov.github.io/d3-horizon-chart/
- https://beta.observablehq.com/@mbostock/d3-horizon-chart
- https://github.com/d3/d3-shape#areaRadial
- https://github.com/d3/d3-shape#area_curve
- http://blockbuilder.org/emeeks/b57f4cc89dacd38fcdcd
- http://blockbuilder.org/susielu/b6bdb82045c2aa8225f5
- https://bl.ocks.org/susielu/4c7a8a89a25bd86a61a8
- http://blockbuilder.org/emeeks/e47ced0d0c5516c6745b
- http://bl.ocks.org/nbremer/4b81aff1ff5907ac3db1780a1c6a5e01
- https://www.visualcinnamon.com/2017/10/creating-baby-births-visual
- http://sxywu.com/travel/
- https://stackoverflow.com/questions/44814519/d3-colour-gradient-not-forming-mathematical-circle-around-centre-of-area
- http://scottcheng.github.io/bj-air-vis/
- https://bl.ocks.org/davidwclin/ad5d13db260caeffe9b3
- http://datacanvas.org/sense-your-city/#!/data
- http://www.maartenlambrechts.com/2014/07/29/introducing-the-weather-browser.html
- ¿cómo visualiza ttn mapper? → http://wireless.ictp.it/school_2018/Slides/Luka/TTN%20Mapper-TTC%20presentation.pdf

The average
On average 7.5 babies are born per minute

The night dip
In the evening far fewer babies are born per minute, even when compared to only natural births throughout the day

The early morning peak
Several factors combine for an explosion of babies starting around at 7:45am

The after-lunch boom
Afternoon planned c-sections cause another very distinct bump in the number of babies born
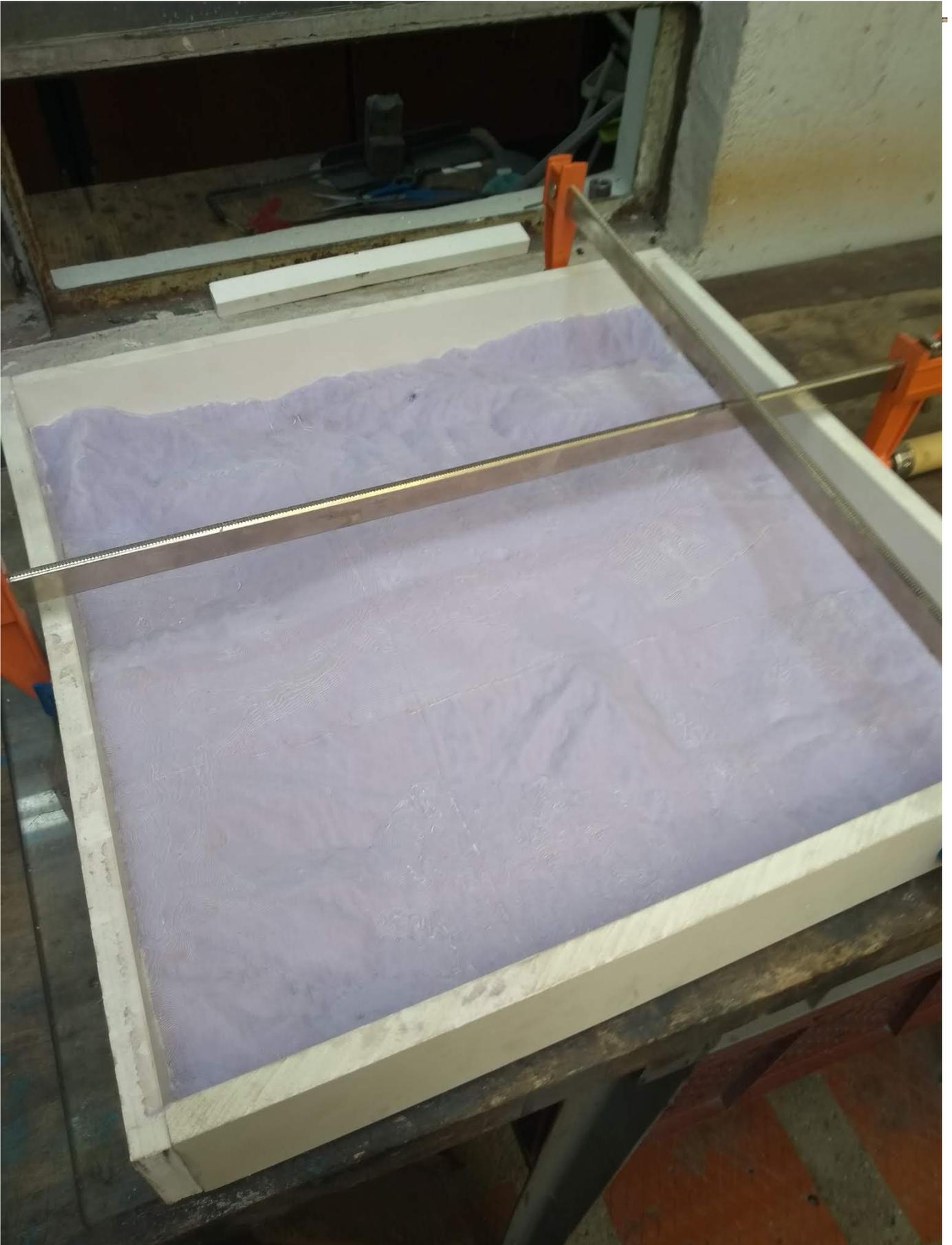
Minutes
per day

SF Temp 1/1/15~4/1/15

Posible superficie de proyección

De no se posible la proyección se puede ubicar un led en el lugar de la estación y que se ilumine según el promedio de la hora

Privacidad

- https://edition.cnn.com/2019/07/09/tech/toronto-sidewalk-labs-google-data-trust/index.html