Glasgow Weather Prints

David Ross Half Year Studio 2022



This print was developed from 2019 weather data from meteostat.net collected at Glasgow Airport.

The weather overview:

Precipitation: 1145mm Max. Temperature: 29% Min. Temperature: 49% Max. Wind Speect: 83km/h Predominant Wind Direction: SW Max. Air Pressure: 1045mb Min. Air Pressure: 973mb Each square of this air-pressure mesh represents a single day from the year 2019

Using daily temperature data, each square was exploded vertically from the landscape and given an opacity.

Like a sail, captured by the wind's daily speed and direction, these airborne squares expanded and rotated accordingly. Every day of rain, sleet, snow or hail was given a spherical raindrop. The more that fell, the larger its size and deeper the colour.

The temperature of each day and strongest gust of wind blew the spheres into the air.

Sunshine data was not used. Unsurprisingly, this particular data was not available for Glasgow.

Half Year Studio

A3 two colour (metallic gold and fluorescent pink) riso print. Printed on 80gsm Steel Grey paper.



A4 three colour (fluorescent pink, mint and sunflower) riso print. Printed on 170gsm natural paper

Each square of this air-pressure mesh represents a single day from the year 2019. Using daily temperature data, each square was exploded vertically from the landscape and given an opacity. Like a sail, captured by the wind's daily speed and direction, these airborne squares expanded and rotated accordingly.

Every day of rain, sleet, snow or hail was given a spherical raindrop. The more that fell, the larger its size and deeper the colour. The temperature of each day and strongest gust of wind blew the spheres into the air. Sunshine data was not used. Unsurprisingly, this particular data was not available for Glasgow.

These prints were developed from 2019 weather data from meteostat.net collected at Glasgow Airport.

The creation of the prints offered an opportunity to develop skills in writing the coding language Python within the visual scripting software Grasshopper, which itself is hosted within the 3D modelling software Rhino. The prints were experiments in the extraction and visualisation of data and the collaboration with a digital tool to create artefacts which are visually pleasing and rich with information.

In future a series of prints could be created which look to compare historic weather data collected in Glasgow, which may reveal in an easily accessible, visual way, the effect of climate change on the weather experienced in Glasgow.

Similar methods of extracting and manipulating data - collaborating with digital tools, will be developed to enable the design and production of other interior objects which are host to information and meaning beyond their immediate appearance, which can give narrative to objects and foster greater feelings of attachment and care for the objects.













